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December 1973

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# Global Climatic Data for Surface, 800 mb, 400 mb: April

C. Schutz and W. L. Gates

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A Report prepared for  
DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

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PREFACE

An important part of the Rand/ARPA research program on the dynamics of climate is the evaluation of the accuracy of simulations of the global climate given by numerical solutions of models of the general atmospheric circulation. To perform this evaluation systematically requires a knowledge of the global distributions of the primary climatic variables of pressure, temperature, humidity, wind, and precipitation, together with the associated distributions of global radiation elements and hydrologic balances. Such data are not readily available, and even those that are obtainable are usually in a variety of forms and not immediately comparable with other climatic data.

The data presented in this report follow the pattern of previous reports (Schutz and Gates, 1971 and 1972). For April, the sea-surface temperature, planetary albedo, and outgoing long-wave radiation data have been updated. Using the latest available data is in keeping with our objective of gathering in one place and in one format the most representative global climatologies of selected seasonal meteorological variables. Planned supplements for the quarterly data already published will include all new acquisitions to date.



SUMMARY

The April global distributions of pressure, temperature, wind, and moisture have been taken from a variety of climatological sources and formats, for reconstruction at the surface, 800 mb, and 400 mb to facilitate comparison with integrations from the Mintz-Arakawa two-level model. These data are supplemented by presentations of the global distributions of cloudiness, planetary and surface albedo, long-wave radiation, evaporation, precipitation, and selected elements of the surface heat balance. All data are presented on a global grid of 4° latitude by 5° longitude, in the form of both tabulated values and machine-analyzed maps. The corresponding zonal and global averages are also given.



ACKNOWLEDGMENTS

Sincere appreciation is extended to those at the National Climatic Center of the National Oceanic and Atmospheric Administration (NOAA), the National Center for Atmospheric Research (NCAR), and the Environmental Technical Applications Center (ETAC) of the Air Force who cooperated in making available magnetic tapes of surface and upper-air data for this analysis.

Thanks are also extended to several Rand colleagues for their valuable assistance: R. C. Alexander for his efforts in developing the data on sea-surface temperature and ice limits at high latitudes; L. D. Bregman for completing the arduous task of extracting the basic grid-point data from numerous and varied global climatic charts; and R. L. Mobley and A. B. Nelson for reducing these data to the desired format and supervising the machine tabulations.



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## 1. INTRODUCTION

The data presented in this report describe the global distributions of the primary climatic elements of pressure, temperature, wind, and moisture, together with the surface and planetary albedo, the long-wave radiation, and a number of components of the surface heat and water balances for April. Gathered for use in evaluating the climate as simulated with numerical general-circulation models, these data may also be useful as a climatic summary in their own right.

A primary purpose of the present compilation is to present the observed April distribution of those meteorological variables simulated by the two-level Mintz-Arakawa atmospheric model (Mintz, 1968; Gates, et al., 1971). This model simulates the wind, temperature, and geopotential at two tropospheric levels--which for our purposes may be regarded as the 800-mb and 400-mb levels--and the moisture at the lower (800-mb) level. At the earth's surface, the model simulates the pressure, the air temperature, and the ground temperature, together with the net radiation flux, the latent heat flux associated with surface evaporation, and the surface flux of sensible heat. The model also simulates elements of the hydrologic balance, including cloudiness, precipitation, and ground wetness. The ocean temperature and surface albedo are boundary conditions to the model.

A search of the literature produced those climatic variables available at the surface, at 800 mb, and at 400 mb summarized in Table 1.1, which also gives the report's sources of information, maximum period of record, maps, and data tabulations. In most cases, the 800-mb and 400-mb data had to be interpolated at the 4° latitude, 5° longitude grid of the Mintz-Arakawa model for unsmoothed, taped data in NAVAIR publications, whereas most of the surface data were visually interpolated from analyses published in climatic atlases.

The figures in Sec. 3 give global analyses of the selected variables; the tabulation of Sec. 5, the associated grid-point data. Exceptions are the observed clouds and winds, for which only northern-hemisphere data are presently available in adequate quantity. Geostrophic wind

and satellite cloud analyses are included, however, for both the northern and southern hemispheres--in an effort to present at least an approximation to the global wind and cloud pattern for April.

For each of the data distributions shown in Sec. 3, the corresponding distribution of the zonal averages is given in Sec. 4, along with the global average value. Further details of the data selection and processing are given in Sec. 2. The asterisk (\*) in the grid-point data tabulations (Sec. 5) denotes missing data. These regions correspond to the blank or "no data" areas on the analyzed maps and zonal averages of Secs. 3 and 4. In the sea-surface temperature data in Secs. 3 and 5, the letter "I" is used to denote the locations of sea ice.

Table 1.1  
IDENTIFICATION OF SELECTED CLIMATIC VARIABLES FOR APRIL

Date or Variable	Unit	Source	Maximum Record Period	Surface	Level <sup>a</sup>	400 mb
Sea-level pressure	mb	(1) Crutcher and Meserve (1970) (2) Taljaard, et al. (1969)	1931-1960 1929-1967	16, 64, 74-77		
Temperature (air)	deg C	(1) Crutcher and Meserve (1970) (2) Taljaard, et al. (1969)	1931-1960 1929-1967	15, 45, 78-81	30, 60, 138-141	37, 67, 166-169
Temperature (sea surface)	deg C	Alexander and Mobley (1973)	Various	16, 46, 82-85		
Geopotential height	10 <sup>2</sup> m	(1) Crutcher and Meserve (1970) (2) Taljaard, et al. (1969)	1950-1964 1948-1966		31, 61, 142-145	38, 68, 170-173
Relative humidity	Percent	(1) Crutcher and Meserve (1970) (2) Taljaard, et al. (1969)	1931-1960 1929-1967	17, 47, 86-89	32, 62, 146-149	
Cloudiness	Tenths	(1) Environmental Technical Applications Center (1971) (2) Miller et al. (1970; 1971) Miller (1970)	1963-1968 1967-1970	18, 48, 90-93 19, 49, 94-97		
Precipitation	mm day <sup>-1</sup>	Ivovitch and Ovtchinnikov (1964) Höller (1951)	1950-1956 (?) Various	20, 50, 98-101 21, 51, 102-105		
Annual Mar-Apr-May	mm day <sup>-1</sup>	Budyko (1963)	1955-1960 (?)	22, 52, 106-109		
Evaporation	mm day <sup>-1</sup>					
Albedo	Fractions	Posay and Clapp (1964) Vonder Haar (1972)	Various (1962-1970)	23, 53, 110-113 24, 54, 114-117		
Surface Planetary (m-A-m)	Fractions	Vonder Haar (1972)	(1962-1970)	25, 55, 118-121		
Long-wave radiation (m-A-m)	10 <sup>2</sup> ly day <sup>-1</sup>					
Solar radiation received at surface	10 <sup>2</sup> ly day <sup>-1</sup>	Budyko (1963)	1955-1960 (?)	26, 56, 122-125		
Surface radiation balance	10 <sup>2</sup> ly day <sup>-1</sup>	Budyko (1963)	1955-1960 (?)	27, 57, 126-129		
Surface sensible heat flux	10 ly day <sup>-1</sup>	Budyko (1963)	1955-1960 (?)	28, 58, 130-133		
Total heat balance	10 <sup>2</sup> ly day <sup>-1</sup>	Based on Budyko (1963)	1955-1960 (?)	29, 59, 134-137		
Wind (east-west)	m sec <sup>-1</sup>	Crutcher (1961)	1948-1953		33, 63, 150-153	39, 69, 174-177
Wind (north-south)	m sec <sup>-1</sup>	Crutcher (1961)	1948-1953		34, 64, 154-157	40, 70, 178-181
Geostrophic wind (east-west)	m sec <sup>-1</sup>	(1) Crutcher and Meserve (1970) (2) Taljaard, et al. (1969)	1931-1960 1929-1967		35, 65, 158-161	41, 71, 182-185
Geostrophic wind (north-south)	m sec <sup>-1</sup>	(1) Crutcher and Meserve (1970) (2) Taljaard, et al. (1969)	1931-1960		36, 66, 162-165	42, 72, 186-189

<sup>a</sup>The numbers in each of these three columns are the page numbers of the global map analyses, the zonally averaged data, and the global data tabulations, respectively.

## 2. DATA SELECTION AND PROCESSING

This section briefly describes the processing or manipulation of each primary source of the April mean data identified in Table 1.1. After a careful review of all known sources of pertinent data, we concluded that the sources used here represent the best collection of "global" data presently available, at least for the purpose of comparison with the model's global simulations. The observational content, special processing, and limitations of these data (including various record lengths) are discussed further in the data publications themselves. Although the present discussion refers primarily to the data of Figs. 3.1 through 3.24, it also applies to the corresponding zonally averaged data of Figs. 4.1 through 4.24, as well as to the supporting grid-point data presented in Tables 5.1 through 5.24.

### SURFACE DATA

The surface and sea-level pressure, temperature, and relative humidity shown in Secs. 3, 4, and 5 are based on unsmoothed data for the April averages for the northern and southern hemispheres. These data were taped from two previous publications: NAVAIR 50-1C-52 (Crutcher and Meserve, 1970) and NAVAIR 50-1C-55 (Taljaard, et al., 1969). A linear interpolation was applied to the 5°-latitude tabulated data to generate data for every 4° of latitude, beginning at the poles; the presentation of the 5°-longitude data was left intact.

### Pressure, Temperature, and Relative Humidity

The sea-level pressure (Fig. 3.1), the surface air temperature (Fig. 3.2), and the surface dew-point temperature were taken from the foregoing sources. The dew point was then converted to relative humidity (RH) (Fig. 3.4) by the formula

$$RH = \frac{e^A(p - 6.11 \text{ mb } e^B)}{e^B(p - 6.11 \text{ mb } e^A)}, \quad (1)$$

where  $p$  is the (total) air pressure (in mb) and the parameters  $A$  and  $B$  are given by

$$A = 17.269 T_d (T_d + 237.3 \text{ deg C})^{-1} \quad (2)$$

$$B = 17.269 T (T + 237.3 \text{ deg C})^{-1} \quad (3)$$

with  $T_d$  the dew-point temperature (in deg C) and  $T$  the air temperature (in deg C). The resulting distribution of relative humidity at the surface is shown in Fig. 3.4.

#### Sea-Surface Temperature

Figure 3.3 shows the global distribution of average April sea-surface temperatures. The distribution is a composite of the April normals obtained from the National Center for Atmospheric Research (Washington and Thiel, 1970) and from the Fleet Numerical Weather Central in Monterey (northern hemisphere only). The grid elements containing more than 50 percent of sea ice are denoted by "I" in Fig. 3.3. This convention introduces a bias toward more severe ice conditions. (For example, if 60 percent of an area contains ice of 60-percent concentration, only 36 percent of the area is actually covered by ice.) This practice may partly compensate for the usual bias in the data toward calm, warm weather and ice-free conditions when ships can operate. These data on the 4°-latitude, 5°-longitude grid were taken from the appropriate points (without smoothing) of the global 1° tabulation being prepared by Alexander and Mobley (1973). These authors also give details on interpolation, merging of data sets, and treatment of ice limits.

#### Cloudiness

The distribution of total cloud cover shown in Fig. 3.5A was constructed from the digitized representation of both satellite and conventional observations compiled by the Global Weather Central for the Environmental Technical Applications Center (1971). These data were collected at 0000Z and 1200Z, and were compiled for this presentation in terms of the total cloud cover  $C$  from the formula

$$C = \sum_{N=0}^8 \frac{C_{00,N} + C_{12,N}}{2} \frac{N}{8}, \quad (4)$$

where  $C_{00,N}$  and  $C_{12,N}$  are the percentages of the 00Z and 12Z observations that have N-eighths cloud cover. These digitized cloud data appear on the GWC (Global Weather Central) grid. This is a square grid with octagonal boundaries superimposed on a polar stereographic projection, with a southern boundary at approximately 15°N. Equations from Murray (1962) were used to transform the latitude and longitude of each of the  $46 \times 72$  points of the present grid to the coordinates in the GWC grid, followed by a bilinear interpolation using the four nearest GWC grid values.

Since the northern-hemisphere data of Fig. 3.5A contain all modern cloud observations, during both day and night hours, they are considered the best available representation of northern-hemisphere total cloud cover. In an effort to obtain global coverage, however, Fig. 3.5B was constructed from a digitized representation of the sun-oriented TIROS data of Miller (1970) and Miller, et al. (1970; 1971). These computer-rectified data give the mean daytime cloudiness at approximately 1400 local sun time. Since they compare favorably with the gross features in Fig. 3.5A associated with storm tracks, anticyclones, and the inter-tropical convergence zone, they are presented as an extension of these data into the southern hemisphere. At present, satellite observations do not discriminate effectively between clouds and highly reflective ground surfaces such as ice, snow, and desert. The Miller data therefore contain systematic errors when interpreted in terms of cloud cover. Nevertheless, they probably represent the best cloud-cover data now available for the southern hemisphere, where land effects are much less.

### Precipitation

The global distribution of the *annual* precipitation shown in Fig. 3.6A, based on the work of Lvovitch and Ovtchinnikov (1964), remains a valuable source of information. It may provide a direct comparison with the March-April-May distribution or prove useful in

future research in conjunction with Jacobs' (1968) seasonal (quarterly) apportionment of precipitation (Table 2.1) over the oceans.

The March-April-May distribution of global precipitation shown in Fig. 3.6B was obtained from visual interpolation of Möller's (1951) seasonal analysis to a 5° latitude, 5° longitude grid, followed by linear interpolation to the points of the present grid. Although Möller performed some empirical partitioning of the observed annual precipitation similar to that done by Jacobs (1968), these distributions are apparently the only global seasonal ones available.

#### Evaporation

The April mean surface evaporation shown in Fig. 3.7 was drawn from data interpolated from those of Budyko (1963). There are very few isopleths over the land in the northern hemisphere, since evaporation is generally less than 1.0 mm per day. The rapid increase of evaporation over the oceans, however, produces a packing of the isopleths, especially along the eastern coasts of the continents. In mountainous areas in both hemispheres, the evaporation isopleths are interrupted by a lack of data.

#### Albedo

The April mean *surface* albedo values shown in Fig. 3.8A were transcribed directly onto the 4° latitude, 5° longitude grid from the data of Posey and Clapp (1964). These data show the measured April albedo for various types and amounts of ground cover, and include the latitudinal variations of solar angle over the oceans.

The March-April-May mean *planetary* (world) albedo values shown in Fig. 3.8B were summarized from satellite data during the periods including March-April-May of 1962, 1964, and 1965, and during April 16-30, 1969. These data, the most up-to-date available, were reduced at Colorado State University into seasonal global maps as discussed by Vonder Haar (1972). They were transcribed directly onto the 4° latitude, 5° longitude grid for this report.

Table 2.1

SEASONAL APPORTIONMENT OF PRECIPITATION PER SEASON BY 10° LATITUDE ZONES  
(Percent)

Latitude	Atlantic Ocean				Pacific Ocean				Indian Ocean			
	Dec. Jan. Feb.	March April May	June July Aug.	Sept. Oct. Nov.	Dec. Jan. Feb.	March April May	June July Aug.	Sept. Oct. Nov.	Dec. Jan. Feb.	March April May	June July Aug.	Sept. Oct. Nov.
50°-60°N	28	23	21	28	20	22	25	33	--	--	--	--
40°-50°N	31	23	20	26	25	24	23	28	--	--	--	--
30°-40°N	33	26	16	25	31	27	21	21	--	--	--	--
20°-30°N	27	20	22	31	29	24	25	22	13	6	57	24
10°-20°N	25	15	31	29	18	19	32	31	10	12	46	32
0°-10°N	22	25	29	24	24	24	27	25	22	20	28	30
0°-10°S	28	38	17	17	33	23	26	18	27	22	25	26
10°-20°S	22	22	36	20	32	22	23	23	30	27	25	18
20°-30°S	23	28	23	26	24	27	27	22	24	31	30	15
30°-40°S	18	25	33	24	18	26	32	24	17	25	34	24
40°-50°S	20	26	30	24	22	26	28	24	22	26	28	24
50°-60°S	26	28	26	20	24	29	22	25	--	--	--	--

SOURCE: W. C. Jacobs (1968).



### Radiation and Heat Balance

The March-April-May outgoing long-wave radiation data shown in Fig. 3.8C were also interpolated directly onto the 4° latitude, 5° longitude grid from the data of Vonder Haar (1972). These measurements cover the same periods as do the planetary albedo data.

The April solar radiation received at the earth's surface shown in Fig. 3.8D was interpolated onto the 4° latitude, 5° longitude grid from the data of Budyko (1963). The breaks in the isopleths over land are caused by mountainous areas for which no radiation data were available.

The April surface radiation balance shown in Fig. 3.9 and the surface sensible heat flux shown in Fig. 3.10 are also based on interpolations from the data of Budyko (1963), and, like Fig. 3.8B, show a lack of data in mountainous and polar regions. The distribution of the April surface heat balance shown in Fig. 3.11 was constructed by subtracting the interpolated data for the surface sensible heat flux (Fig. 3.10); and that for the distribution of the heat lost by surface evaporation (proportional to the data of Fig. 3.7), from the data for the surface radiation balance (Fig. 3.9). This latter quantity is itself the excess of the solar radiation absorbed at the surface over the net long-wave radiation lost by the surface.

### UPPER-AIR DATA

#### Temperature and Relative Humidity

The values for the free-air temperature and the dew point represent unsmoothed information drawn from data used in the two NAVAIR publications by Crutcher and Meserve (1970) and Taljaard, et al. (1969) mentioned above. Specifically, the April mean temperature at 800 mb, shown in Fig. 3.12, was computed by linear interpolation from the data for 850 mb and 700 mb. The 400-mb April temperature distribution shown in Fig. 3.19 was constructed by a similar interpolation between the data at 500 mb and 300 mb. The resulting 800-mb and 400-mb data were then interpolated horizontally to the 4° latitude, 5° longitude grid.

The relative-humidity distribution for 800 mb shown in Fig. 3.14 was computed from the dew point and pressure according to Eqs. (1) through (3), where the 800-mb dew point was itself found from linear interpolation between the taped dew-point data for 850 mb and 700 mb.

#### Height

The heights for the 800-mb and 400-mb surfaces shown in Figs. 3.13 and 3.20, respectively, were found from the heights of the 850-mb and 500-mb surfaces, respectively, as well as from the values of the temperature at 850 mb, 700 mb, 500 mb, and 300 mb, as shown below. If  $\bar{T}$  is an average temperature, the height of an isobaric surface  $z$  relative to that at a reference surface  $z_0$  may be written from an integration of the hydrostatic equation as

$$z - z_0 = \frac{R\bar{T}}{g} \ln (p_0/p) , \quad (5)$$

where  $R$  is the gas constant,  $g$  the acceleration of gravity, and  $p_0$  the reference isobaric surface. Selecting 850 mb and 500 mb as reference surfaces, we then have for the 800-mb and 400-mb heights the relation

$$z_{800} = z_{850} + 1.480 \text{ m deg}^{-1} T_{850} + 0.296 \text{ m deg}^{-1} T_{700} + 484.9 \text{ m} \quad (6)$$

and

$$z_{400} = z_{500} + 4.843 \text{ m deg}^{-1} T_{500} + 1.695 \text{ m deg}^{-1} T_{300} + 1784.9 \text{ m} . \quad (7)$$

Here the subscripts denote evaluation at pressure surfaces and the temperatures are in degrees Centigrade (with the last terms representing the conversion to degrees Kelvin as in Eq. (5)). Specifically, the mean temperature between 850 mb and 800 mb has been written as

$$\left( \frac{5}{6} T_{850} + \frac{1}{6} T_{700} \right) ;$$

and the mean temperature between 500 mb and 400 mb as

$$\left( \frac{3}{4} T_{500} + \frac{1}{4} T_{300} \right),$$

corresponding to the assumption of a temperature distribution linear in pressure between 850 mb and 700 mb and between 500 mb and 300 mb, respectively.

### Winds

The distribution of the observed winds at 800 mb and 400 mb shown in Figs. 3.15, 3.16, 3.21, and 3.22 were obtained by interpolation from the data published by Crutcher (1961) in the form of March-April-May mean cross sections at every 10° longitude, with subsequent linear interpolation to the present grid. These data are given for the northern hemisphere only, in view of the scarcity of even seasonally averaged wind data in the southern hemisphere. To alleviate this absence of data, the average April geostrophic winds at both 800 mb and 400 mb were computed for the globe from the data of Crutcher and Meserve (1970) and Taljaard, et al. (1969), and are shown in Figs. 3.17, 3.18, 3.23, and 3.24. Note that the observed and geostrophic winds agree well in the northern hemisphere at both the 800-mb and 400-mb levels.

The wind in the Mintz-Arakawa model is computed on a "u,v grid" whose points are centered within the primary or pressure grid used for the other calculations. Values at the u,v grid points were found through a bilinear interpolation of the source data, so that the first value falls at 88°N, 177.5°W, rather than at 90°N, 180°W. Because of this staggered wind grid, the maps of the zonal and meridional wind components should be offset 2 deg south and 2.5 deg east of the indicated grid. The latitude marked 90°N thus indicates 88°N in Figs. 3.15 through 3.18, 3.21 through 3.24, 4.15 through 4.18, and 4.21 through 4.24; no wind is defined at the latitude marked 90°S.



3. GLOBAL ANALYSES

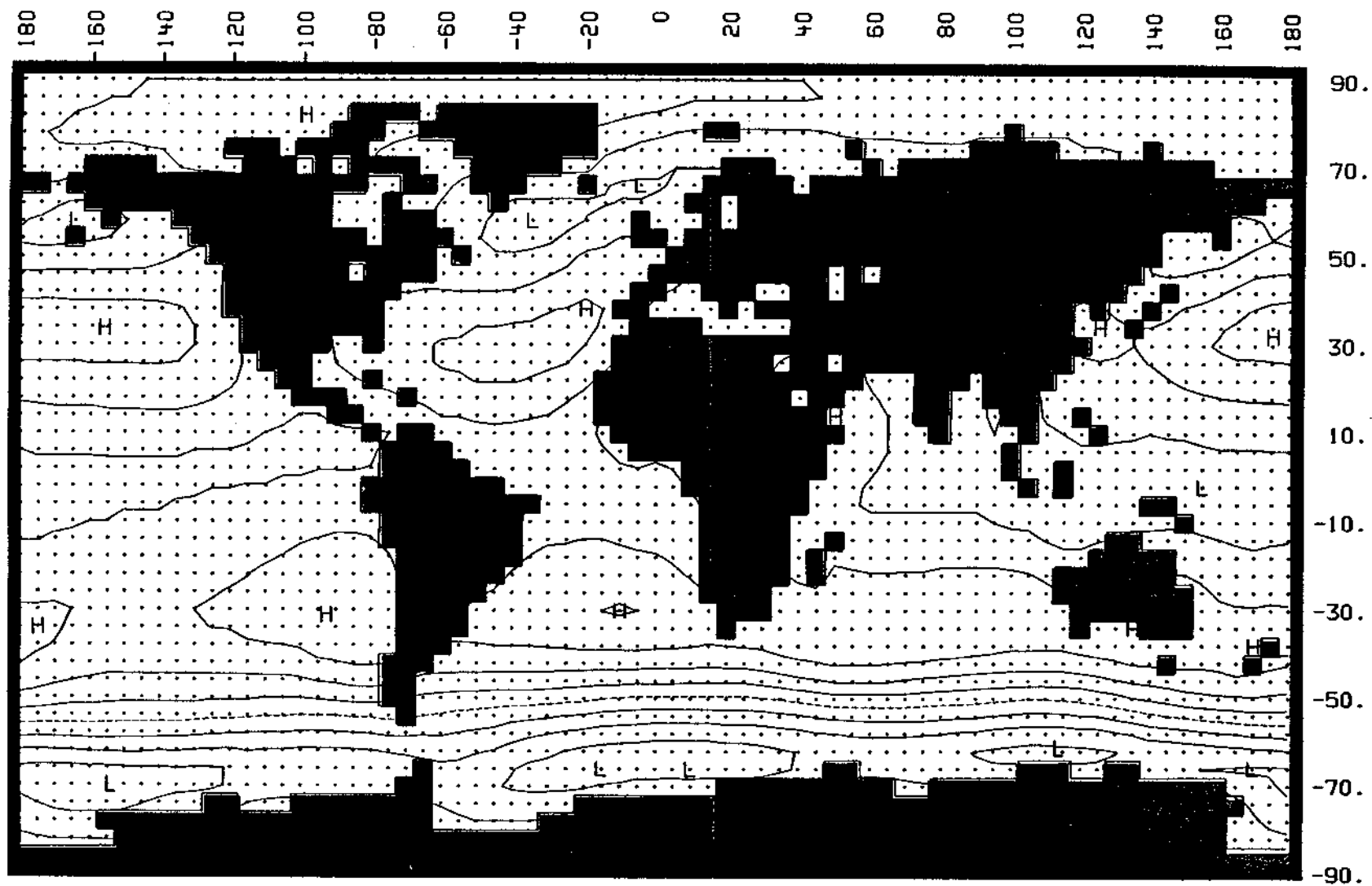


Fig. 3.1--April mean sea-level pressure in mb. The analysis interval is 5 mb and the 1000 mb isobar is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

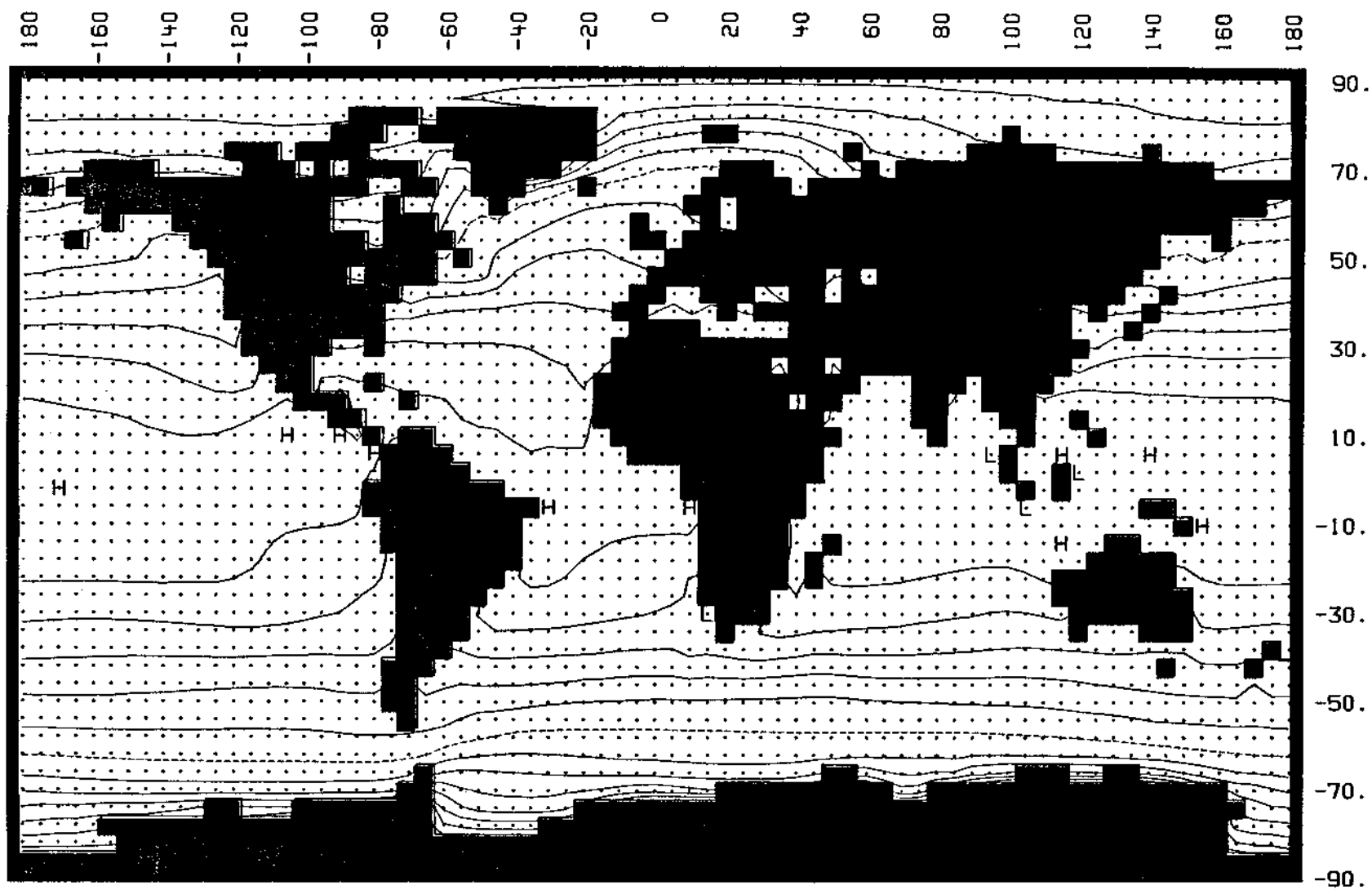


Fig. 3.2--April mean surface air temperature in deg C. The analysis interval is 5 deg and the 0 deg C isotherm is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

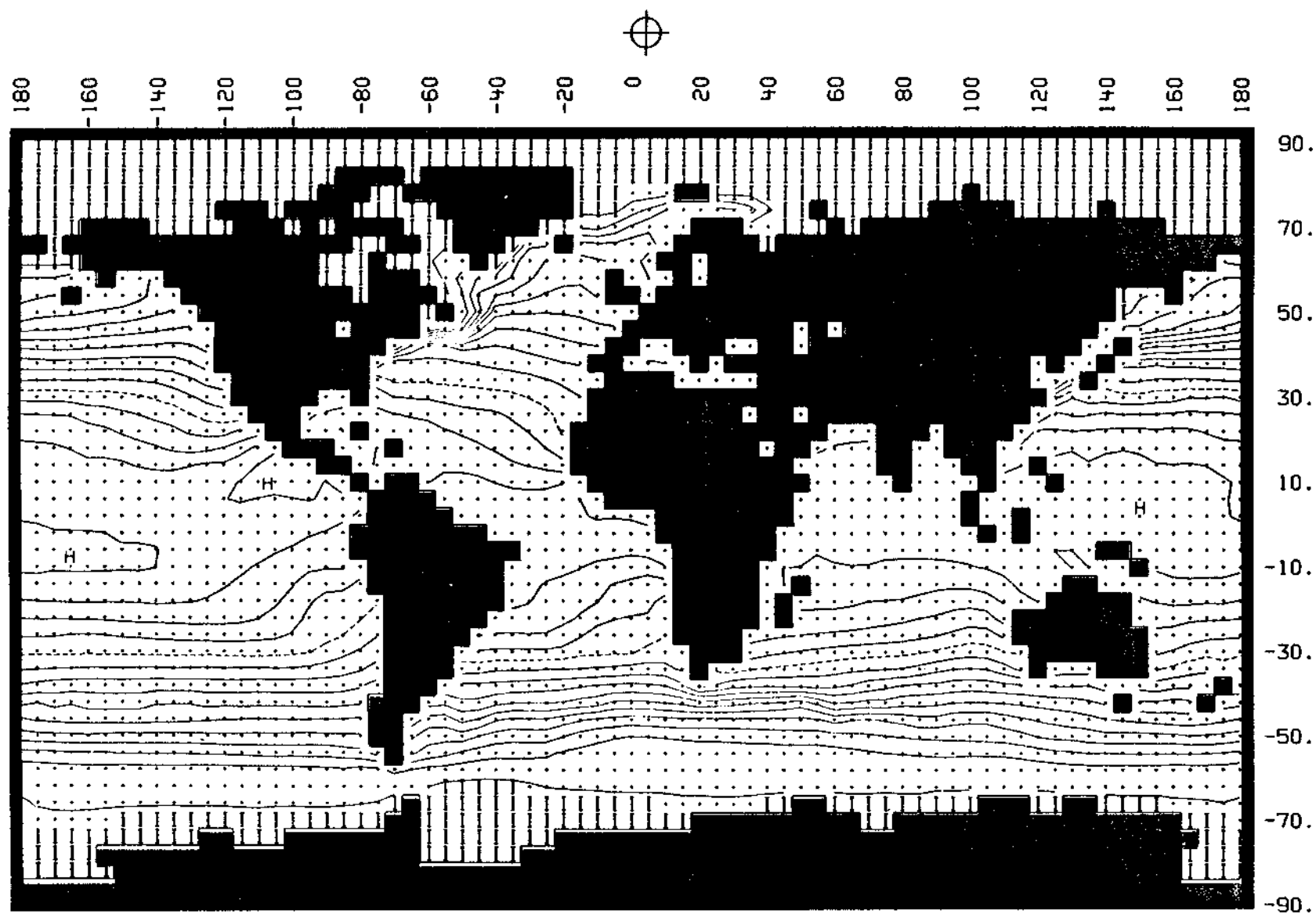


Fig. 3.3--April mean sea-surface temperature in deg C. The analysis interval is 2 deg and the 20 deg C isotherm is dashed, "I" denotes grid elements with sea ice. Interpolated from a composite of normals formed in Alexander and Mobley (1973).



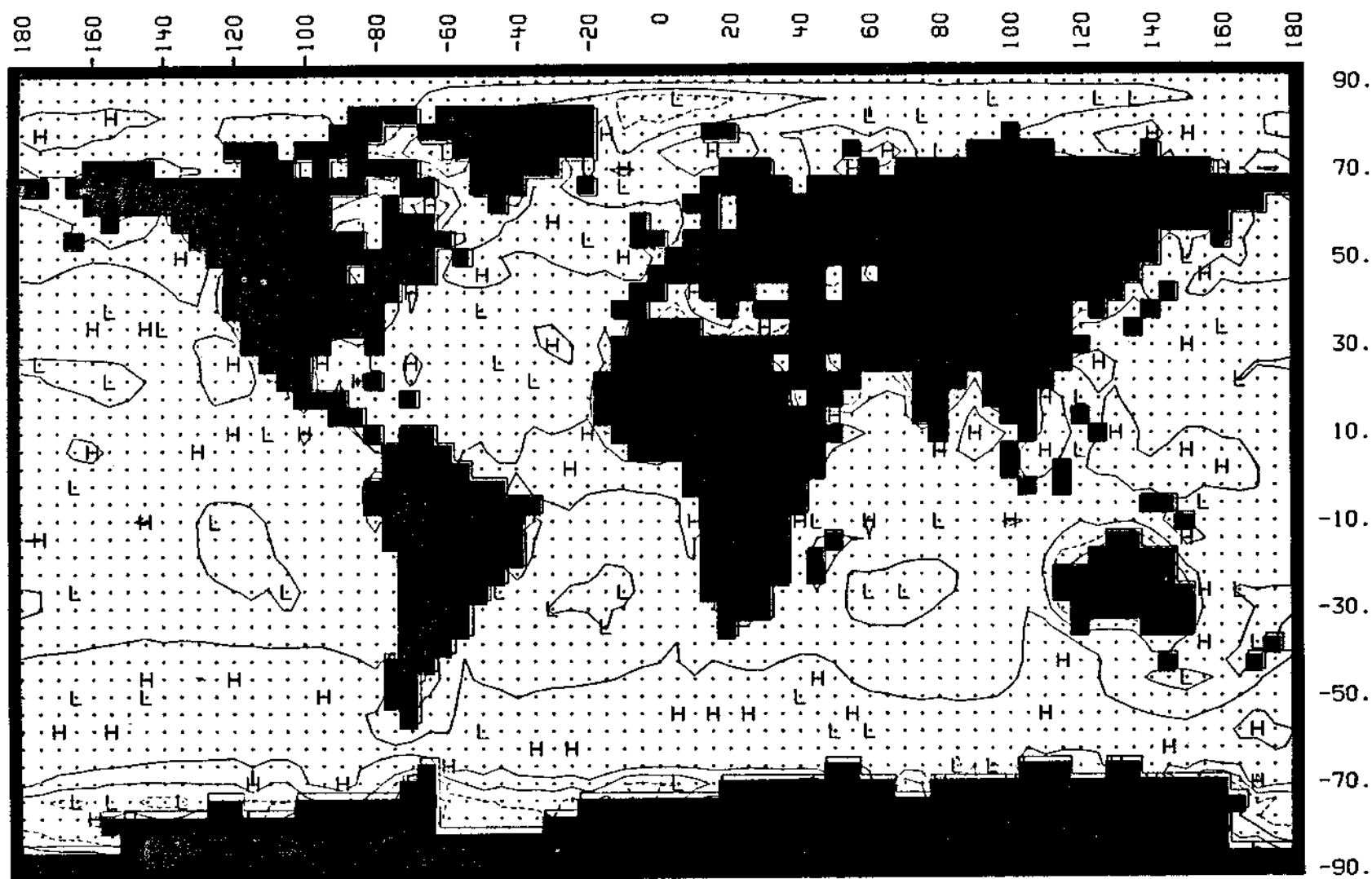


Fig. 3.4--April mean surface relative humidity in percent. The analysis interval is 10 percent and the 60-percent isoline is dashed. Computed from dew-point data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

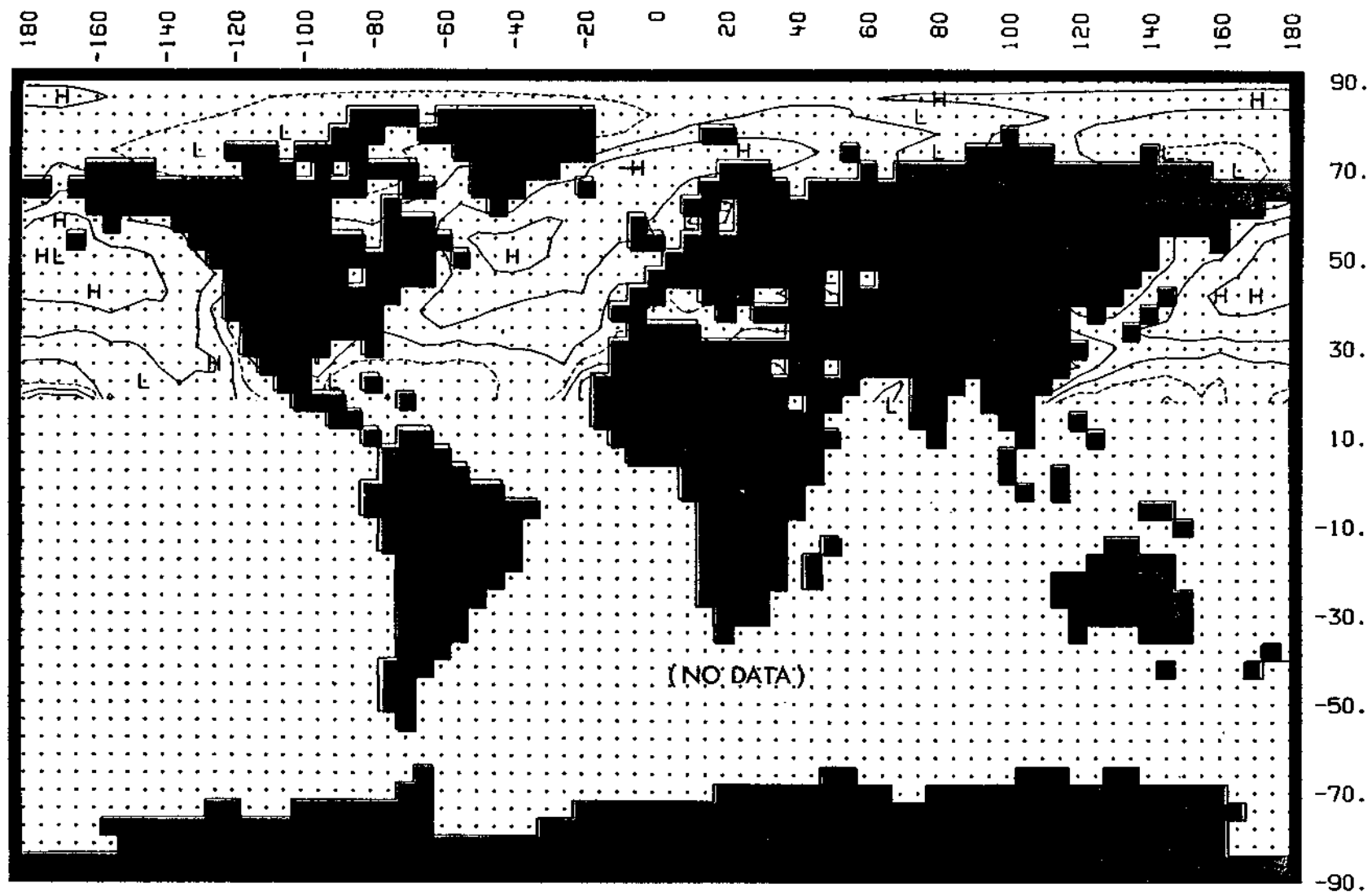


Fig. 3.5A--April mean northern hemisphere total cloud cover in tenths of the sky covered. The analysis interval is 0.1 and the 0.5 isoline is dashed. Prepared from data from the Environmental Technical Applications Center (1971).

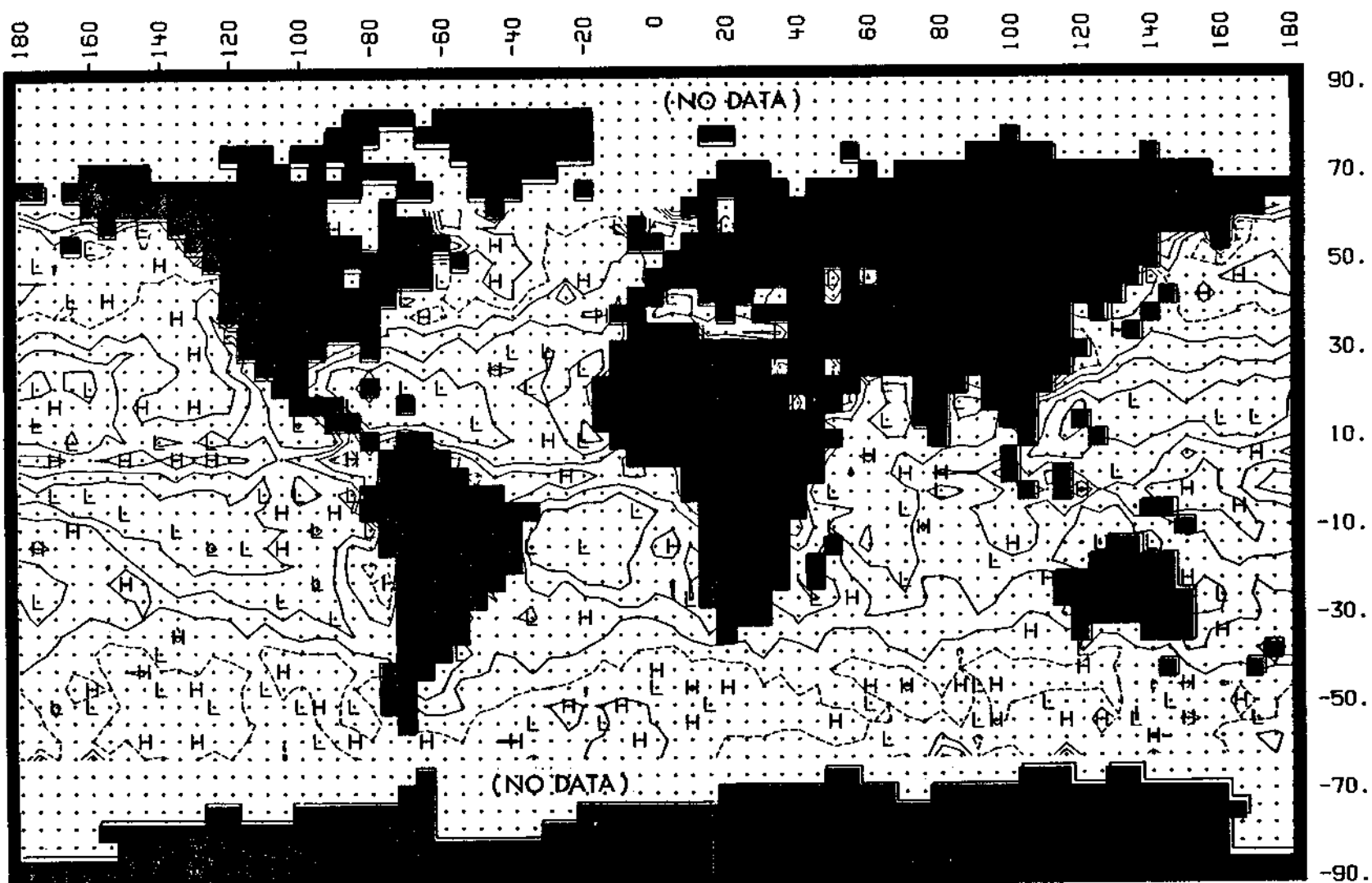


Fig. 3.5B--April mean global total cloud cover in tenths of the sky covered. The analysis interval is 0.1 and the 0.5 isoline is dashed. Reduced from data of Miller, et al. (1970 and 1971).

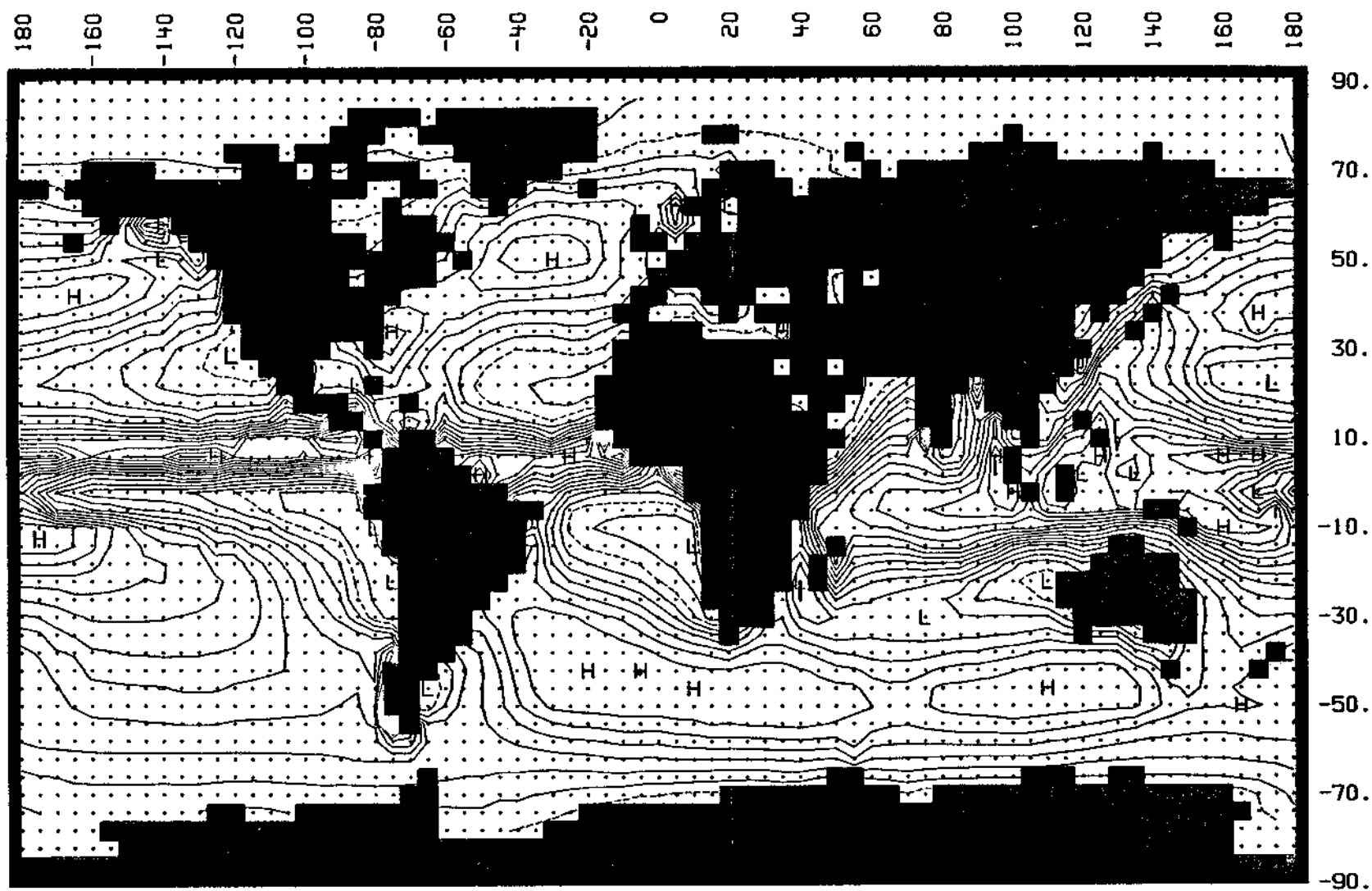


Fig. 3.6A--Mean annual precipitation in mm/day. The analysis interval is 0.5 mm and the 1.0 mm isoline is dashed. Data from Lvovitch and Ovtchinnikov (1964).

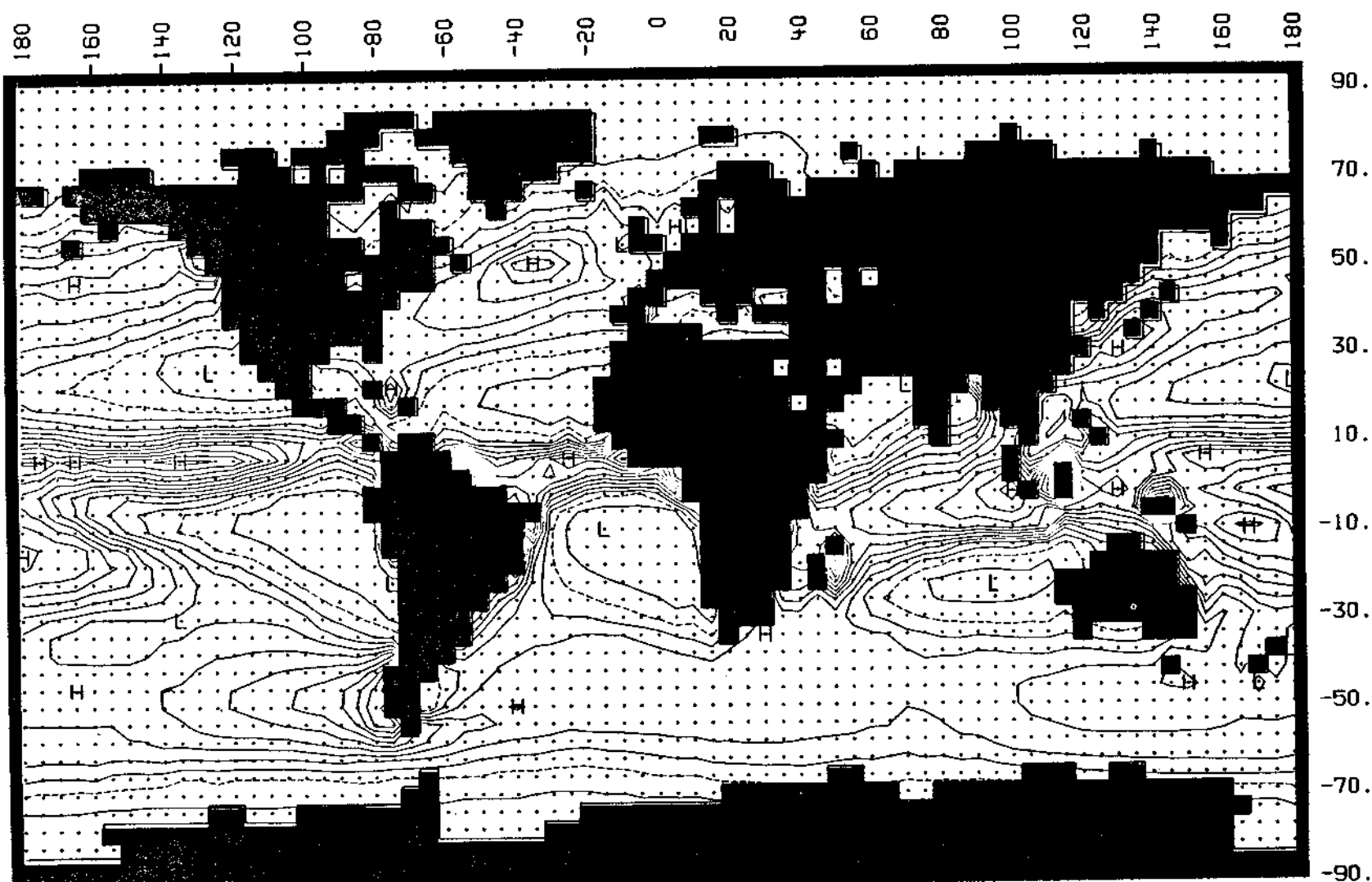


Fig. 3.6B--March-April-May mean precipitation in mm/day. The analysis interval is 0.5 mm and the 1.0 mm isoline is dashed. Data are from Möller (1951).

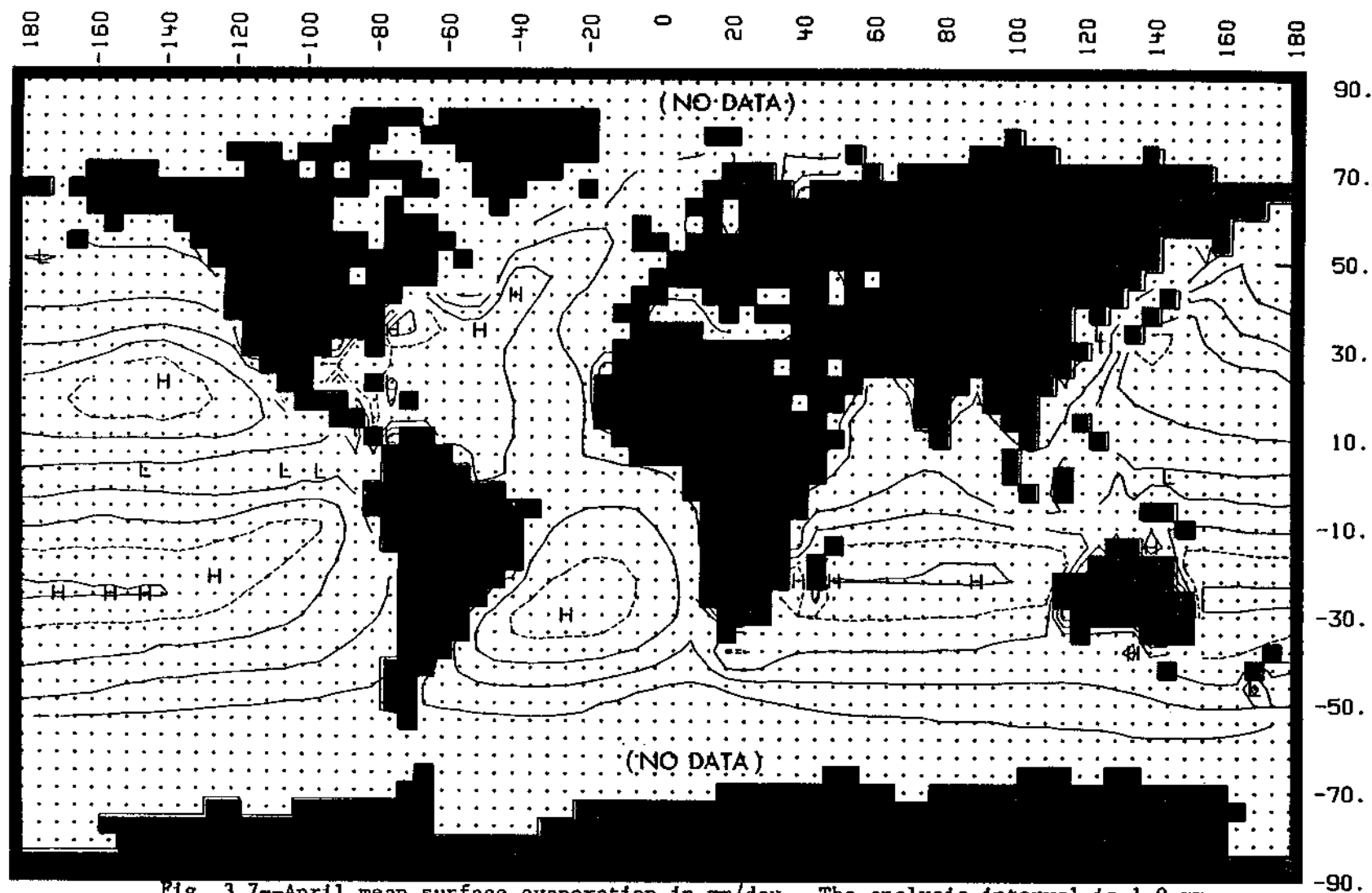


Fig. 3.7--April mean surface evaporation in mm/day. The analysis interval is 1.0 mm and the 5.0 mm isoline is dashed. Data from Budyko (1963).

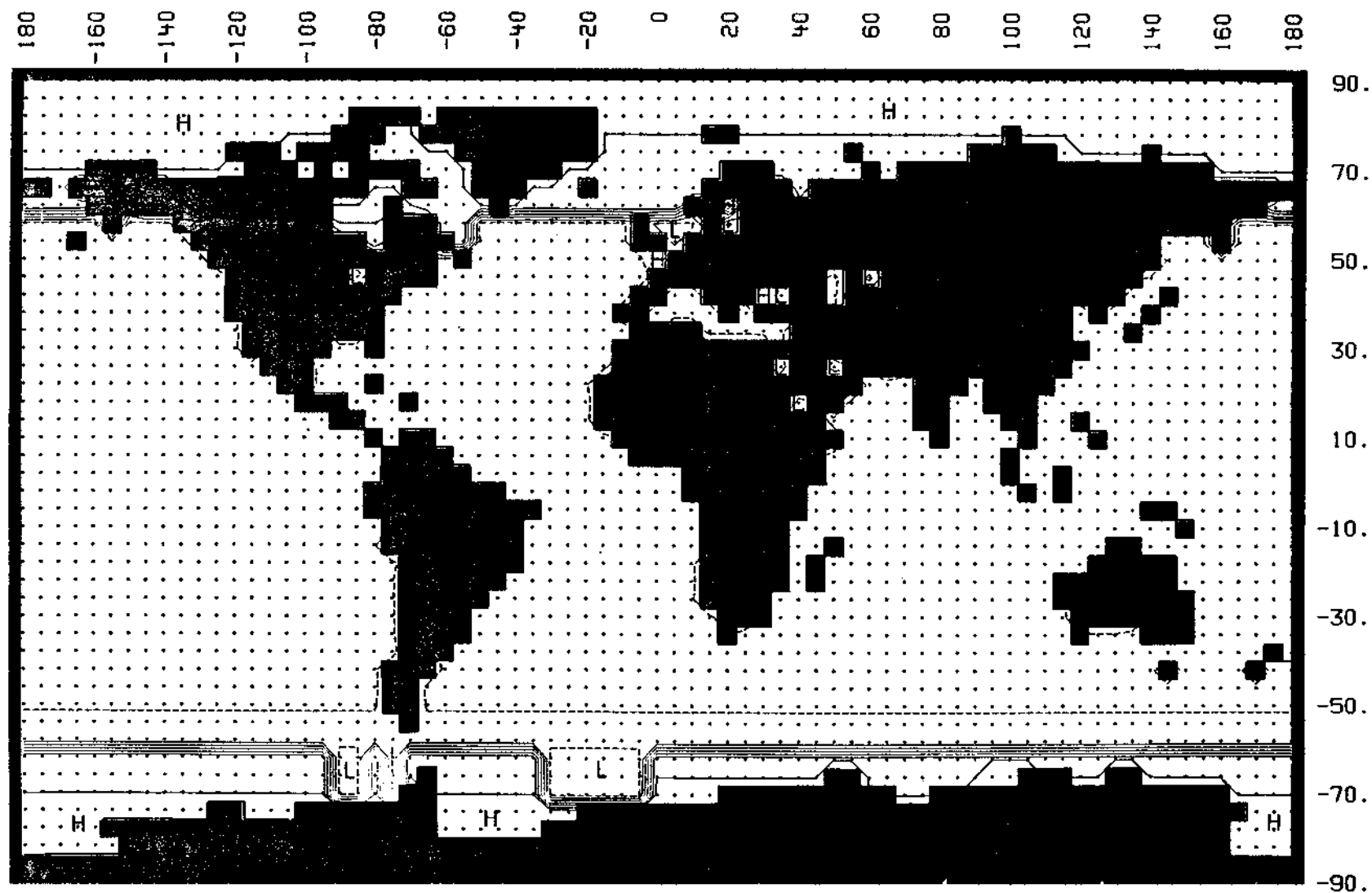


Fig. 3.8A--April mean *surface* albedo, in fractions. The analysis interval is 0.1 and the 0.1 isoline is dashed. Data are from Posey and Clapp (1964).

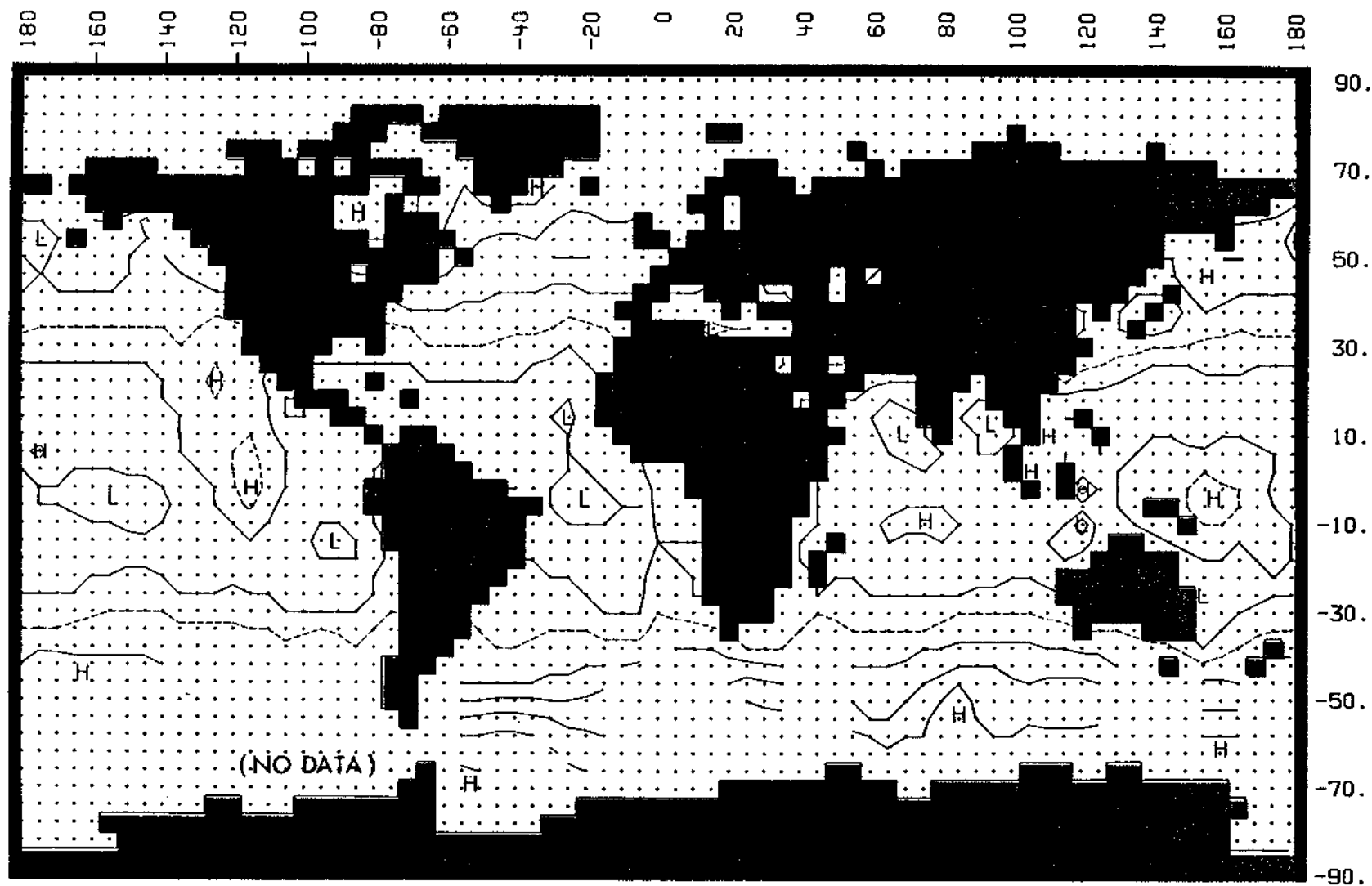


Fig. 3.8B--March-April-May mean *planetary* albedo, in fractions. The analysis interval is 0.05 and the 0.3 isoline is dashed. Data are from Vonder Haar (1972).



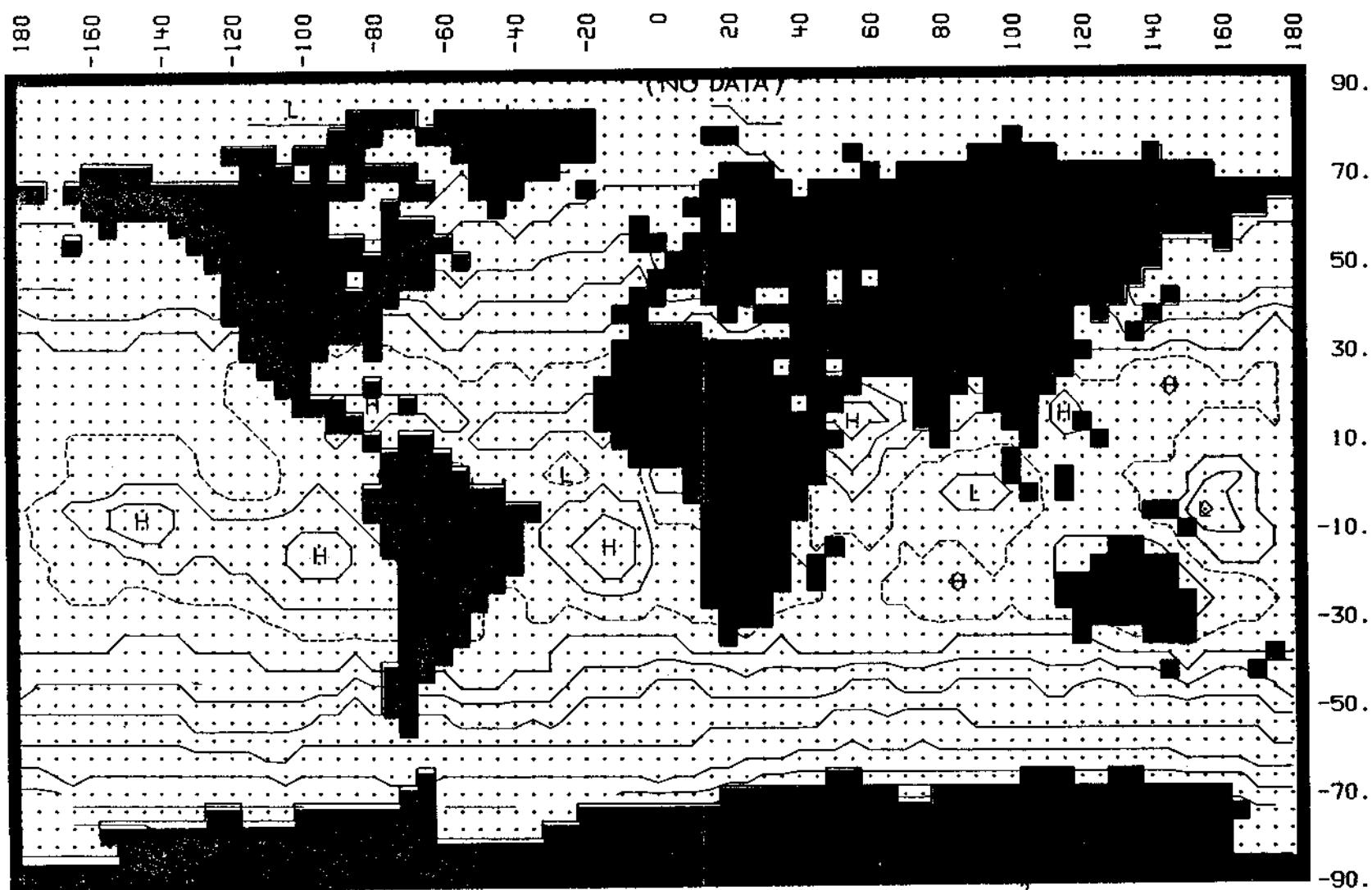


Fig. 3.8C--March-April-May mean outgoing long-wave radiation, in  $10^2$  ly/day. The analysis interval is 25 ly/day and the 500 ly/day isoline is dashed. Data are from Vonder Haar (1972).

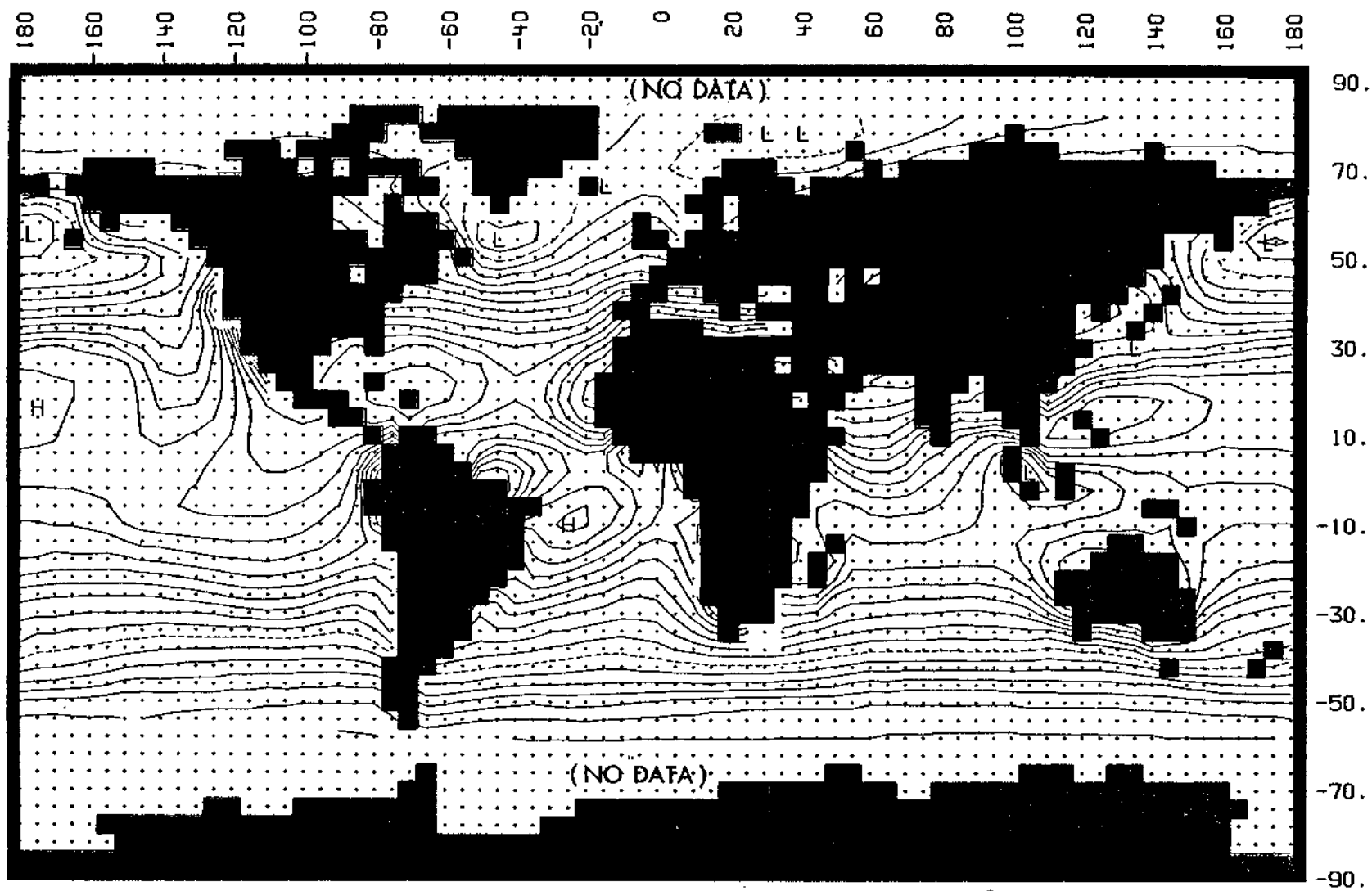


Fig. 3.8D--April mean solar radiation received at the surface in  $10^2$  ly/day. The analysis is 25 ly/day and the 250 ly/day isoline is dashed. Data from Budyko (1963).

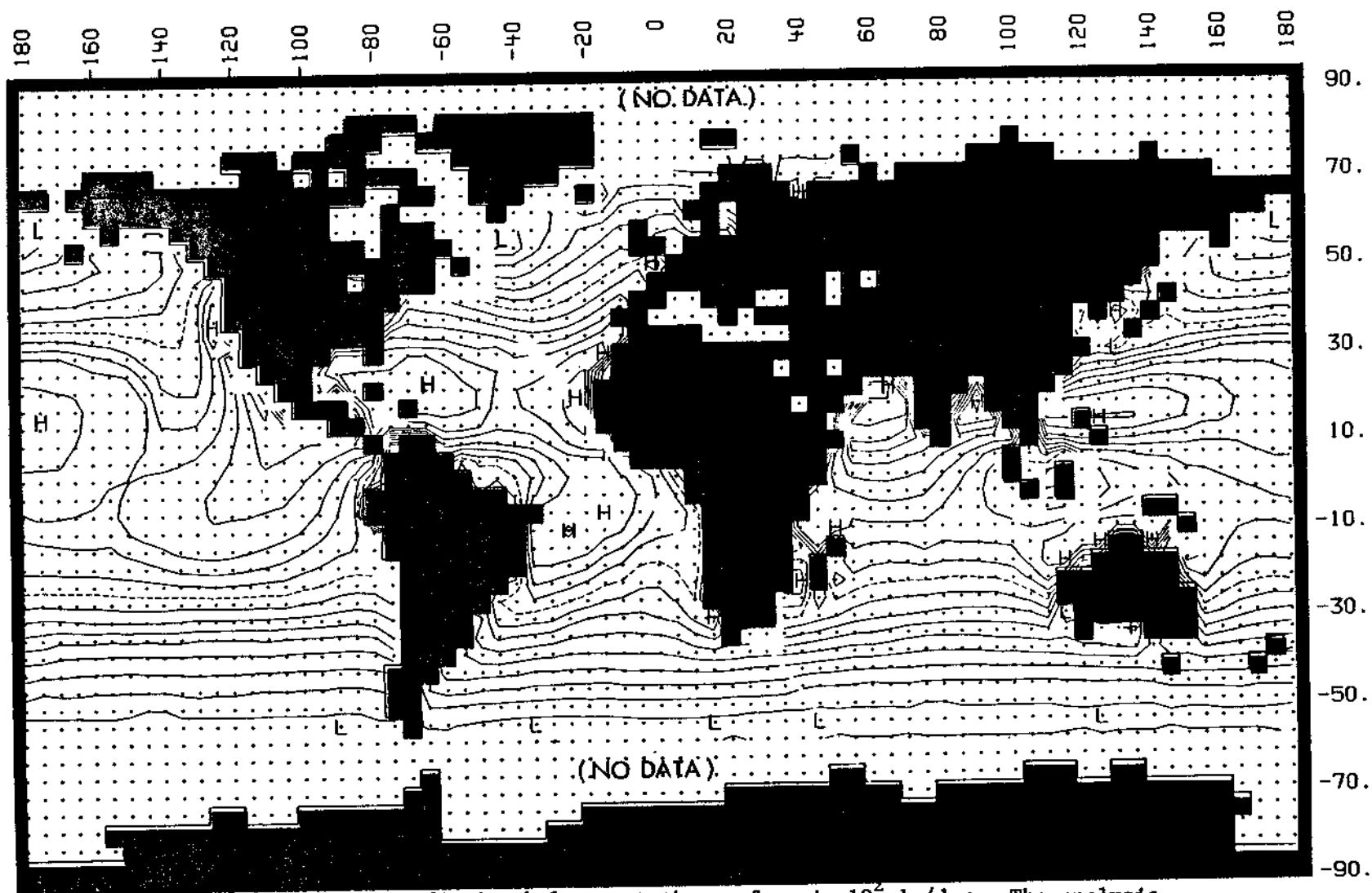


Fig. 3.9--April mean radiation balance at the surface in  $10^2$  ly/day. The analysis interval is 25 ly/day and the 250 ly/day isoline is dashed. A positive value denotes a short-wave energy surplus. Data from Budyko (1963).

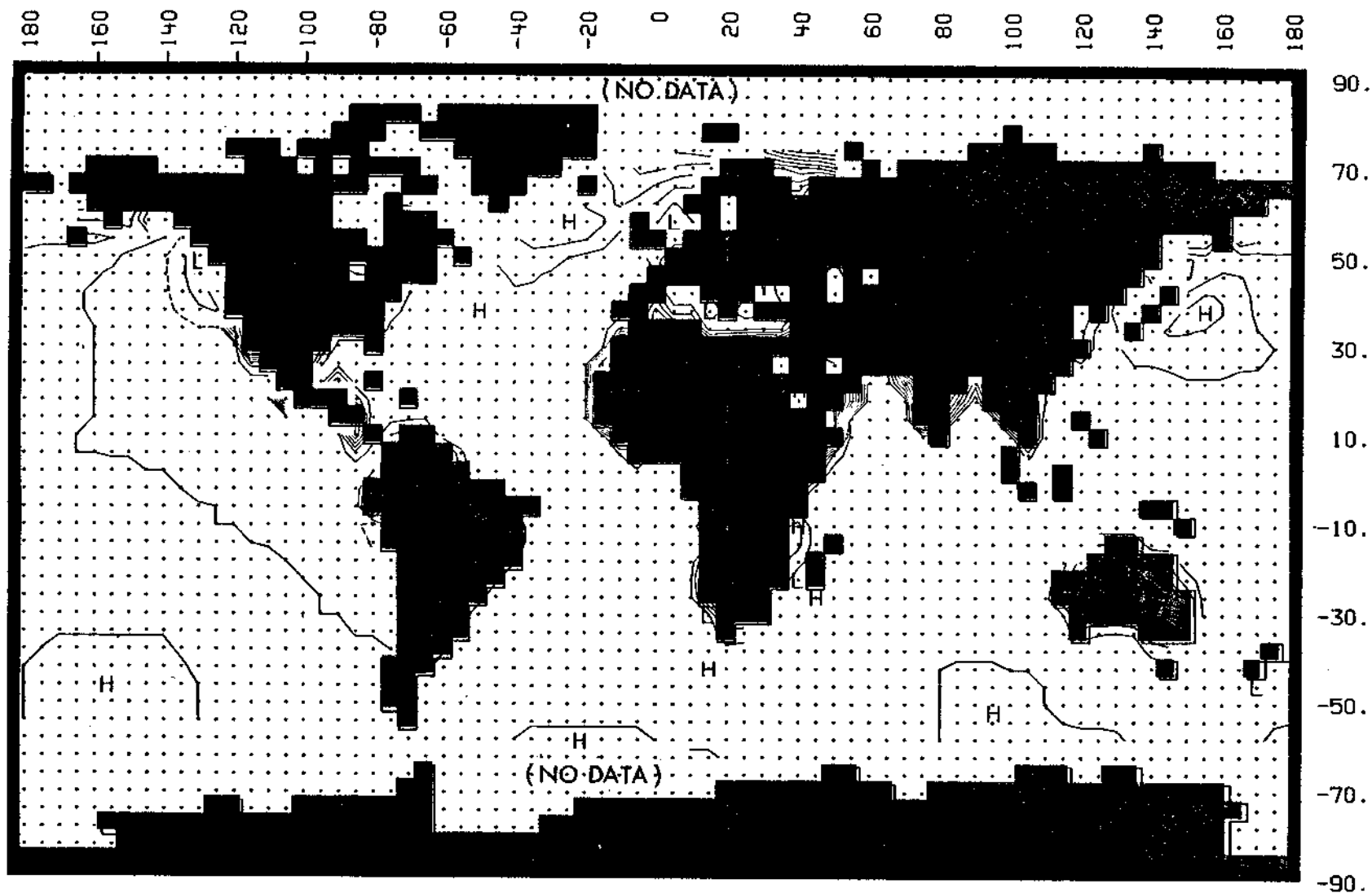


Fig. 3.10--April mean sensible heat flux at the surface in 10 ly/day. The analysis interval is 20 ly/day and the 0 isoline is dashed. A positive value denotes an upward flux. Data from Budyko (1963).

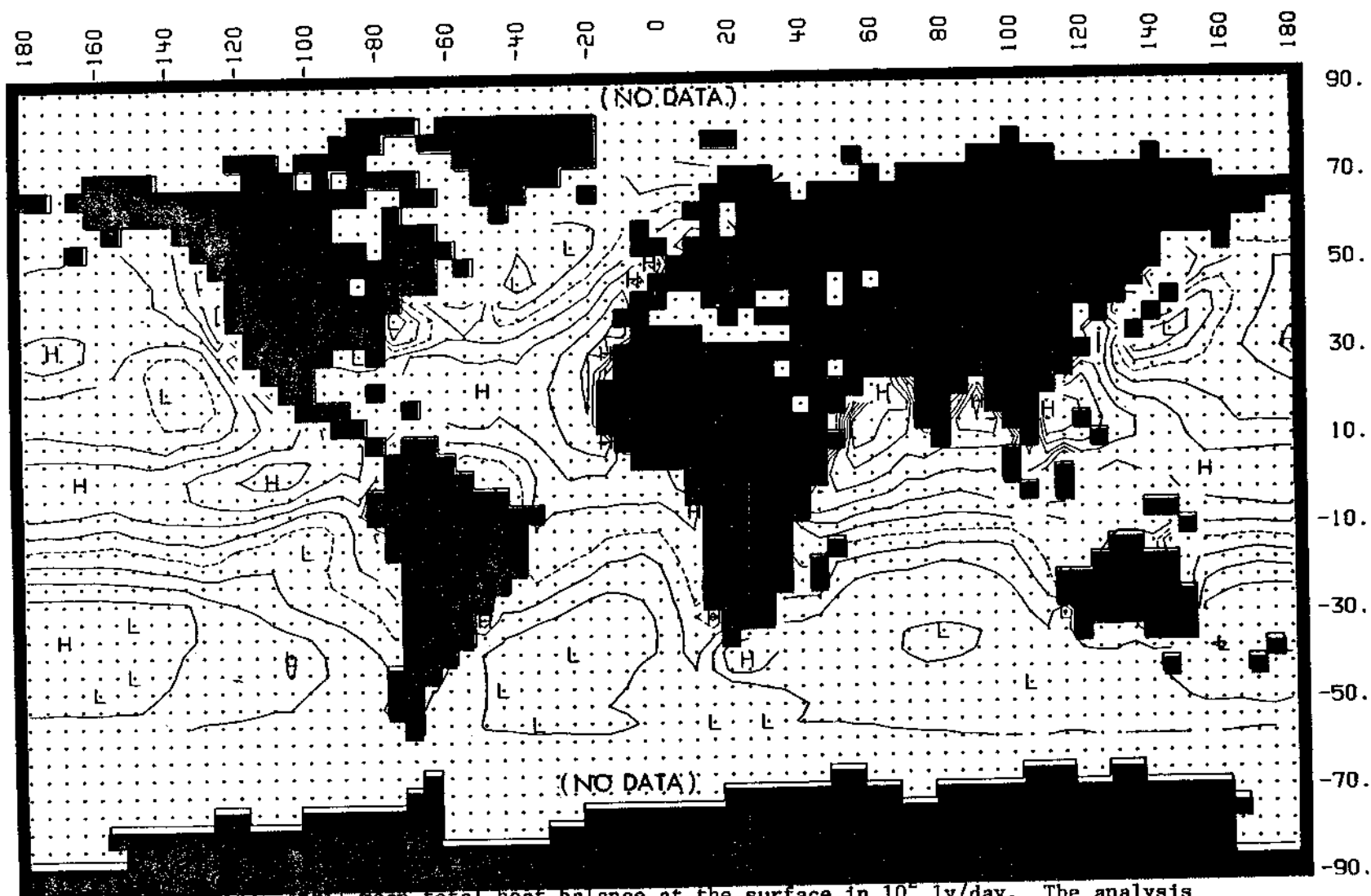


Fig. 3.11—April mean total heat balance at the surface in  $10^{11}$  ly/day. The analysis interval is 50 ly/day and the 0 isoline is dashed. A positive value denotes a radiative heat surplus over the losses due to sensible heat flux and evaporation. Data are from Budyko (1963).

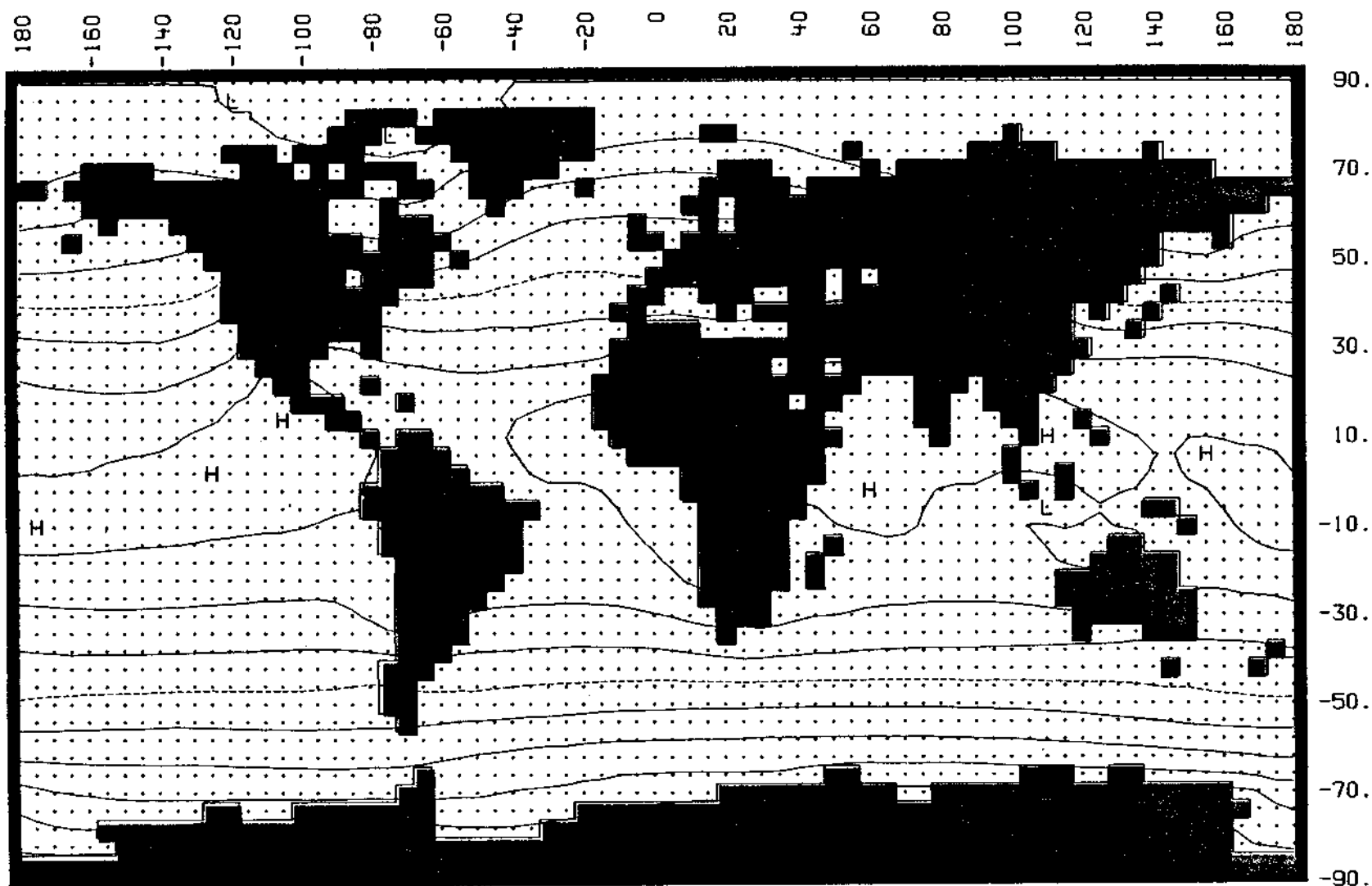


Fig. 3.12--April mean temperature at 800 mb in deg C. The analysis interval is 5 deg C and the 0 deg C isotherm is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

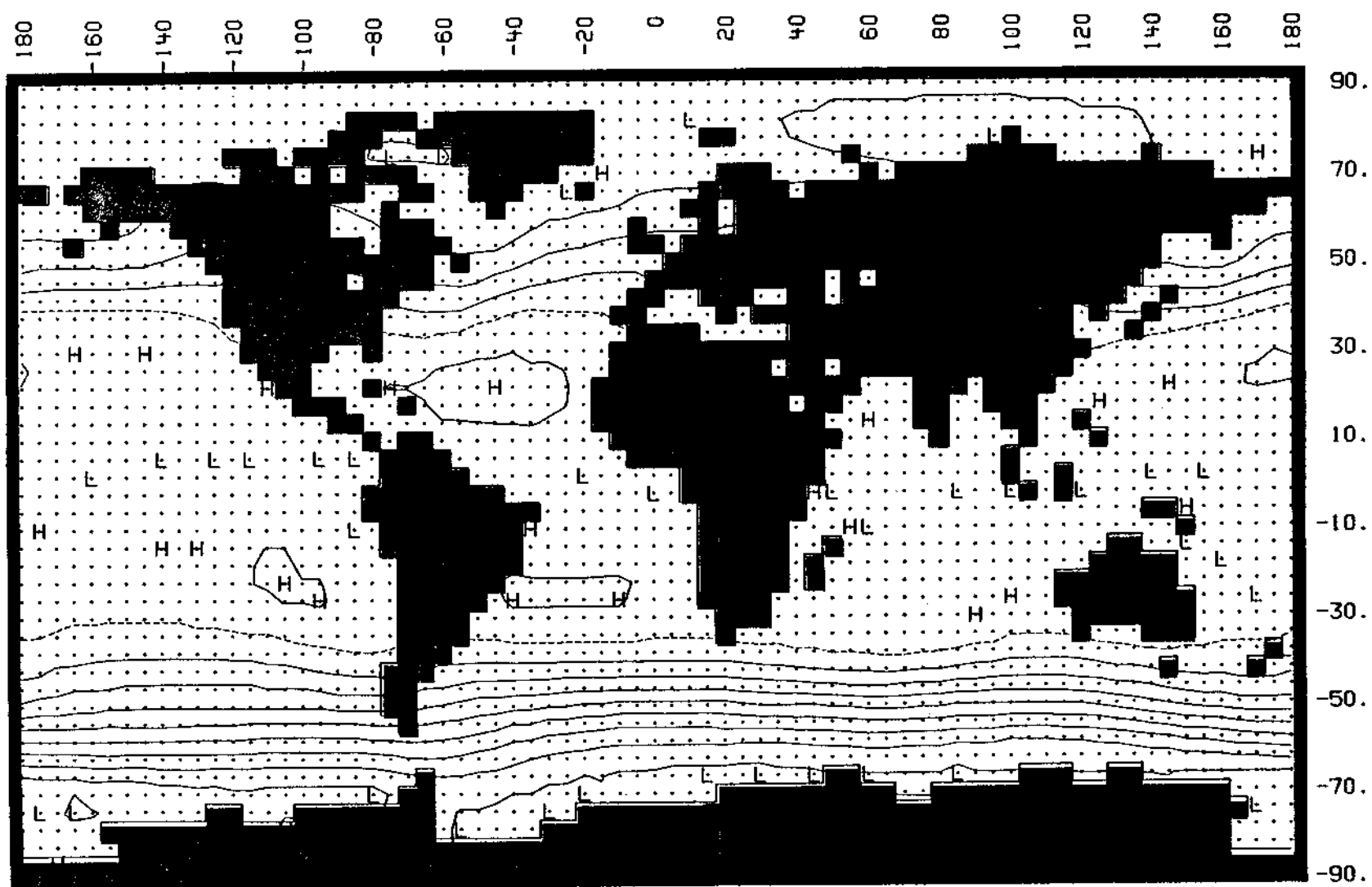


Fig. 3.13--April mean geopotential height at 800 mb in  $10^2$  m. The analysis interval is 50 m and the 2000 m contour is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

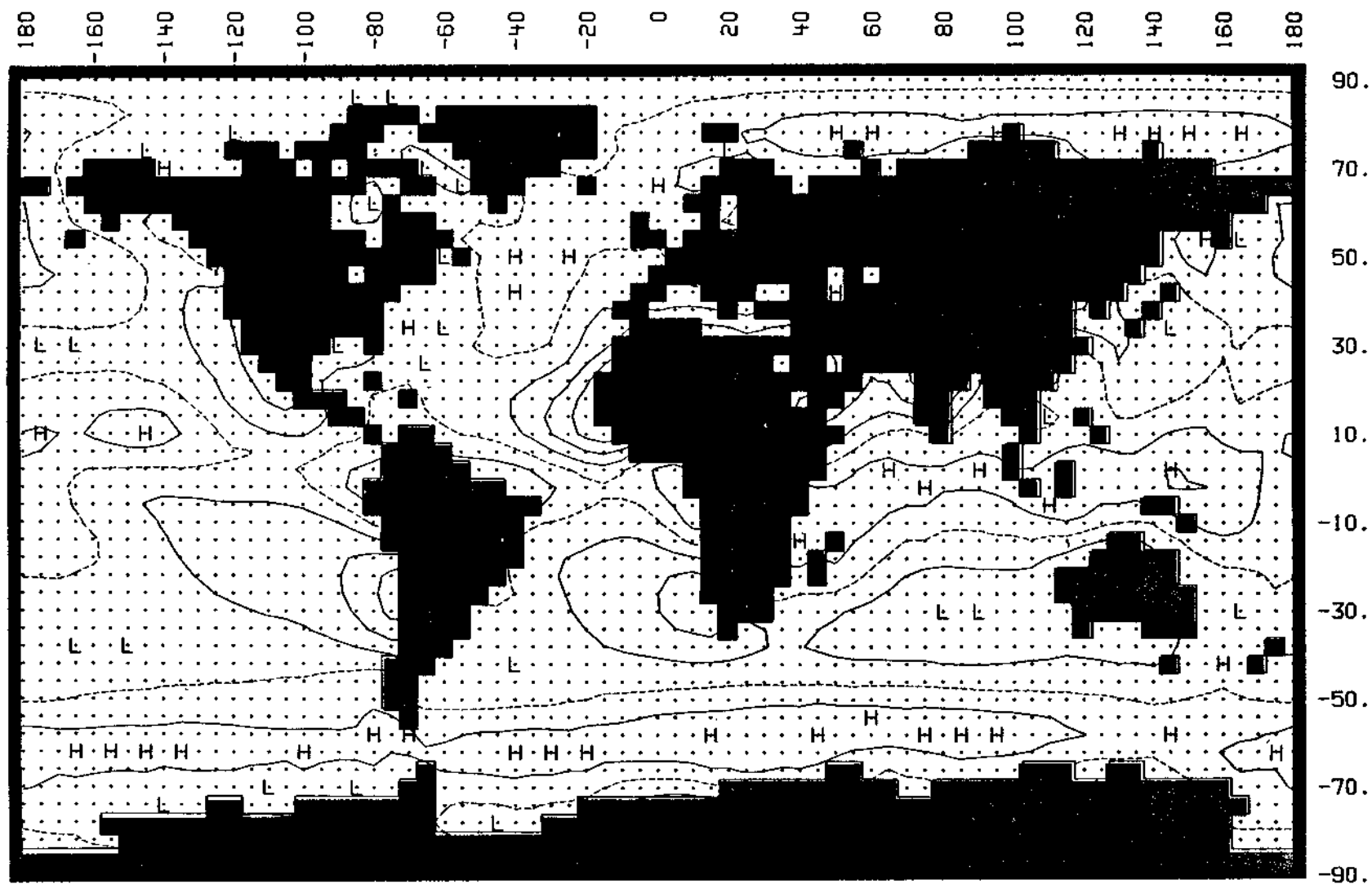


Fig. 3.14--April mean relative humidity at 800 mb in percent. The analysis interval is 10 percent and the 60-percent isohum is dashed. Computed from dew-point data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).



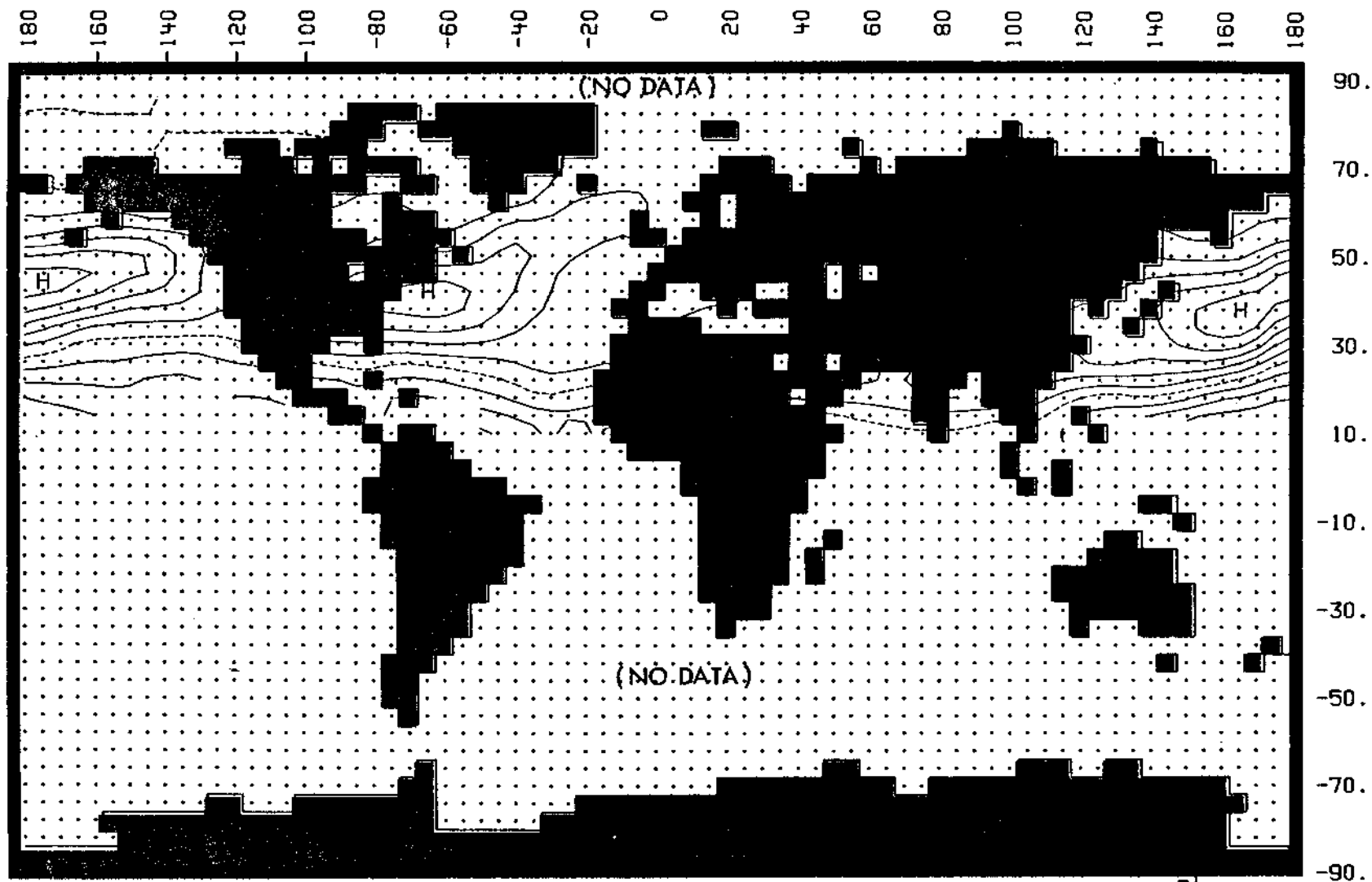


Fig. 3.15--March-April-May mean zonal wind at 800 mb (northern hemisphere only) in  $\text{m sec}^{-1}$ . The analysis interval is  $2.0 \text{ m sec}^{-1}$ , and the 0.0 isoline is dashed. A positive value denotes wind *toward* the east. Data from the cross sections of Crutcher (1961).

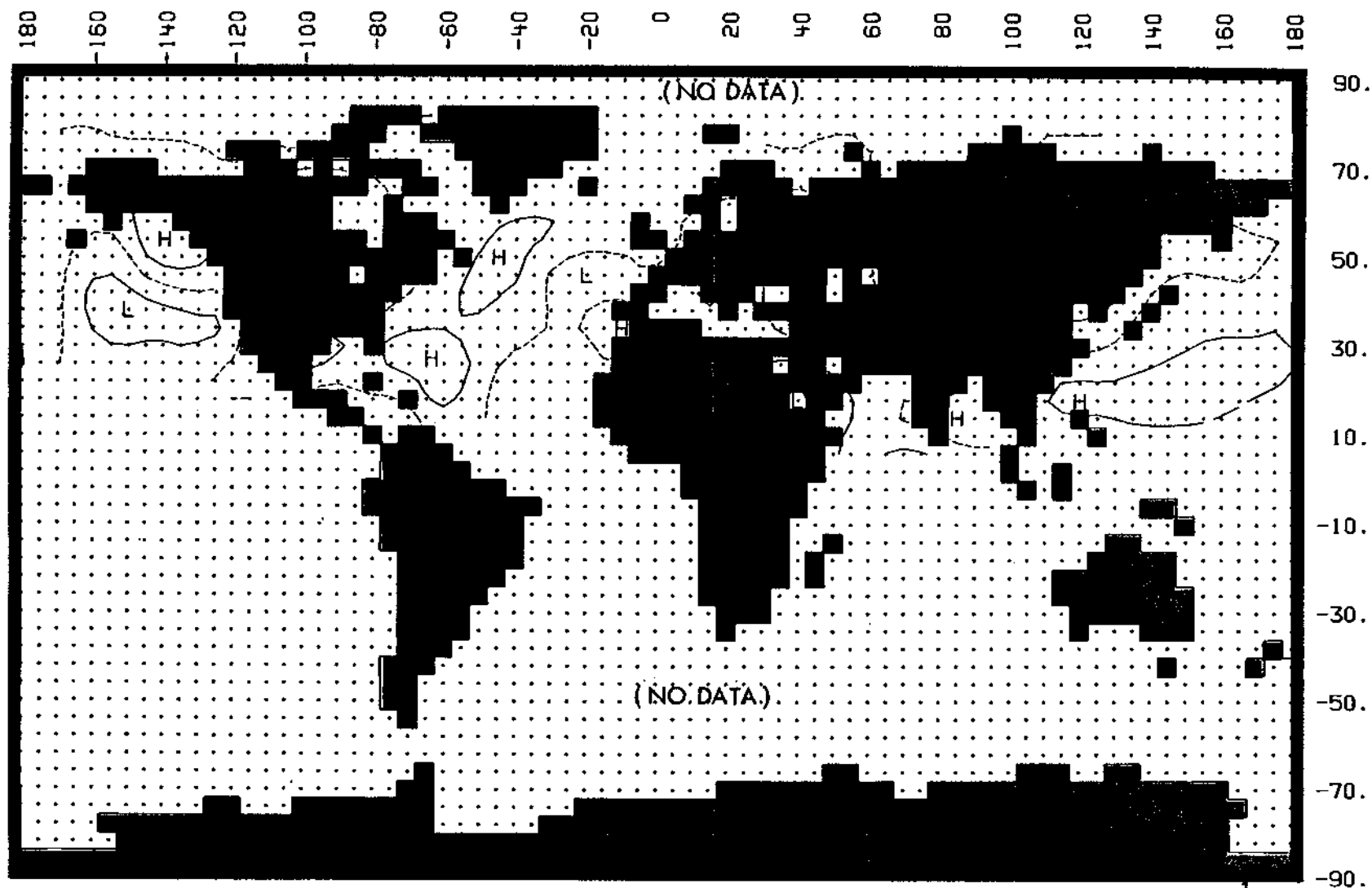


Fig. 3.16--March-April-May mean meridional wind at 800 mb (northern hemisphere only) in  $\text{m sec}^{-1}$ . The analysis interval is  $2.0 \text{ m sec}^{-1}$  and the 0 isoline is dashed. A positive value denotes wind toward the north. Data from the cross sections of Crutcher (1961).

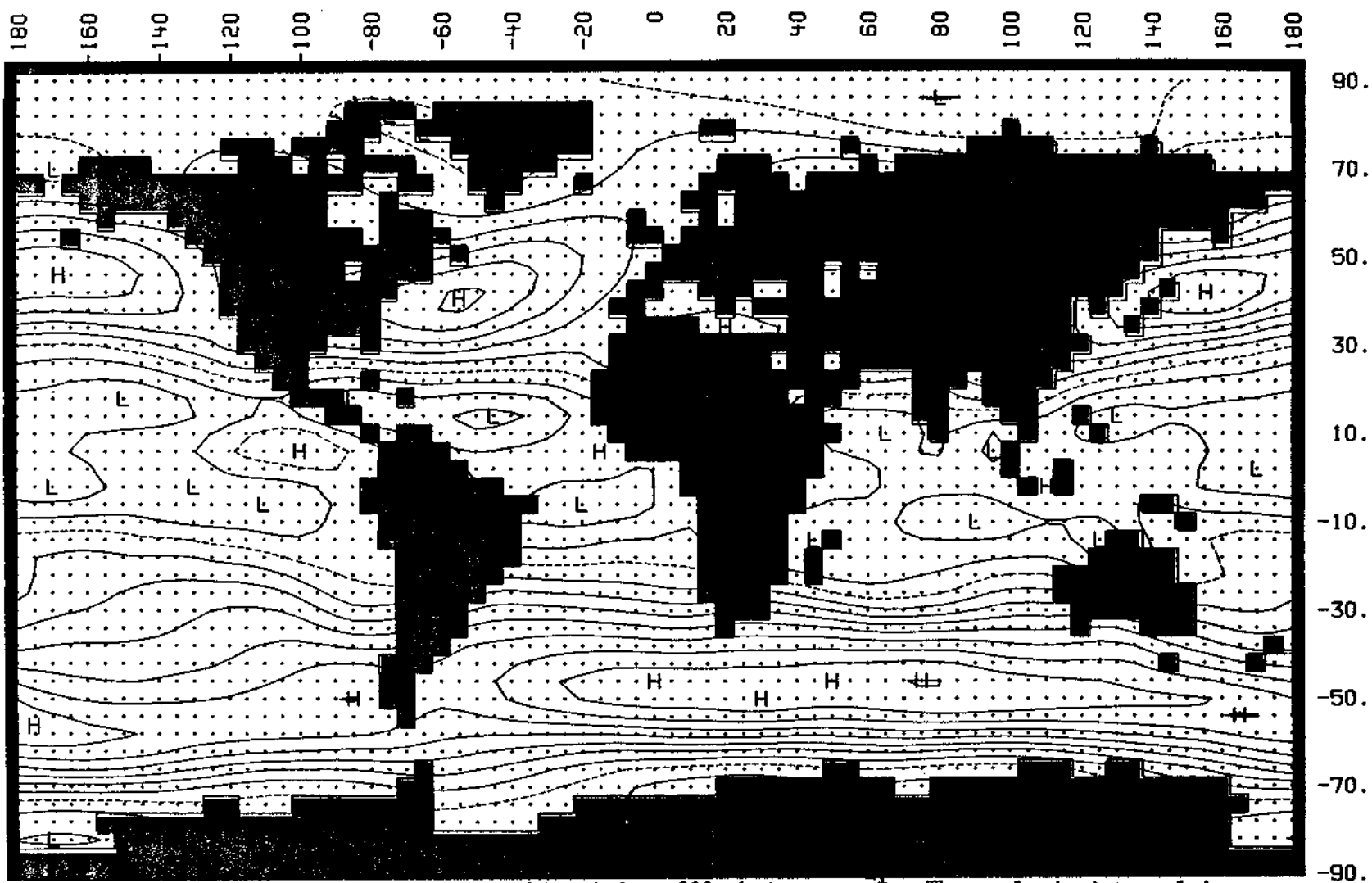


Fig. 3.17--April mean zonal geostrophic wind at 800 mb in  $\text{m sec}^{-1}$ . The analysis interval is  $2.0 \text{ m sec}^{-1}$  and the 0 isoline is dashed. A positive value denotes wind *toward* the east. Reduced from data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

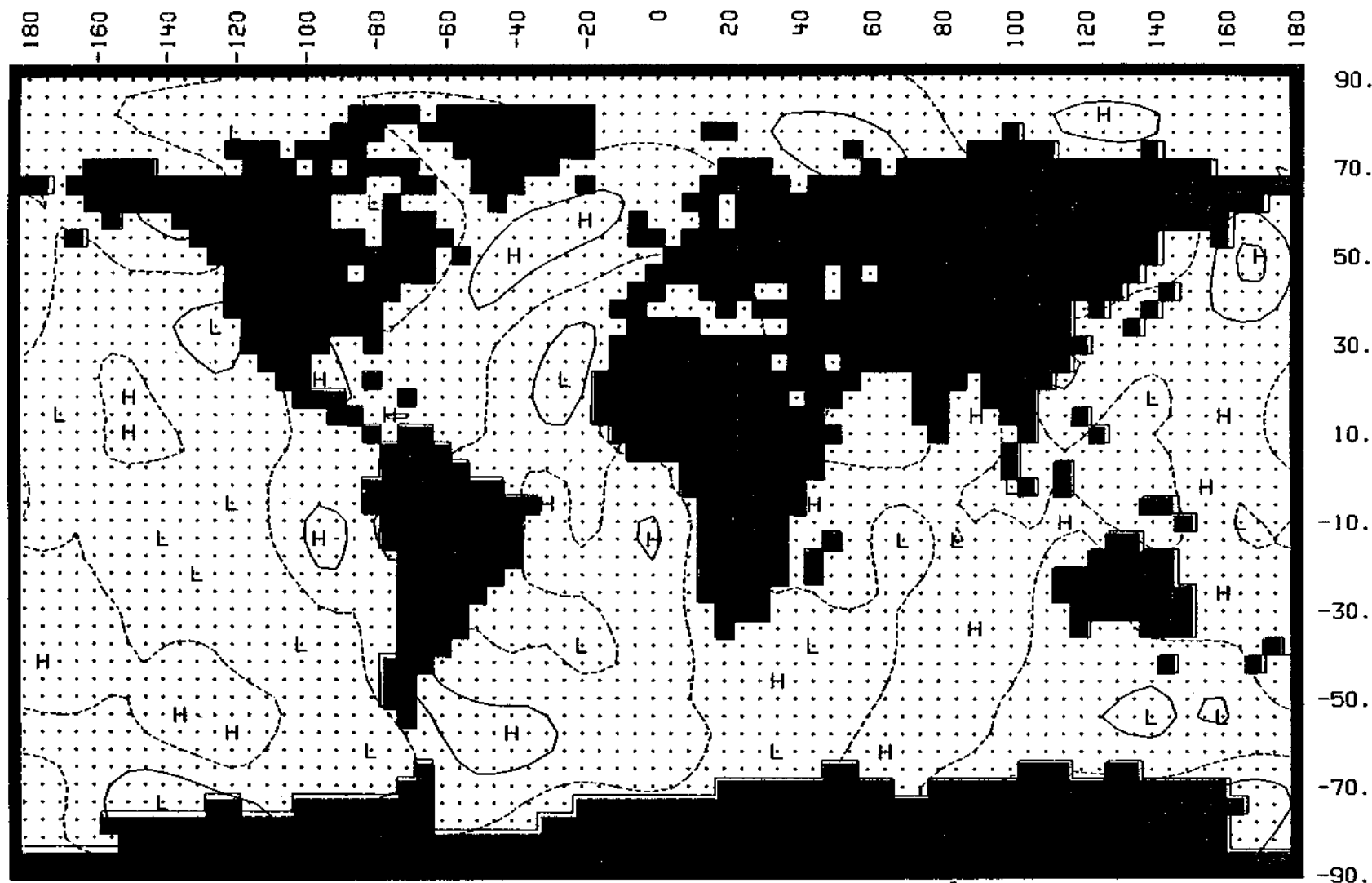


Fig. 3.18--April mean meridional geostrophic wind at 800 mb in  $\text{m sec}^{-1}$ . The analysis interval is  $2.0 \text{ m sec}^{-1}$  and the 0 isoline is dashed. A positive value denotes wind *toward* the north. Reduced from data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

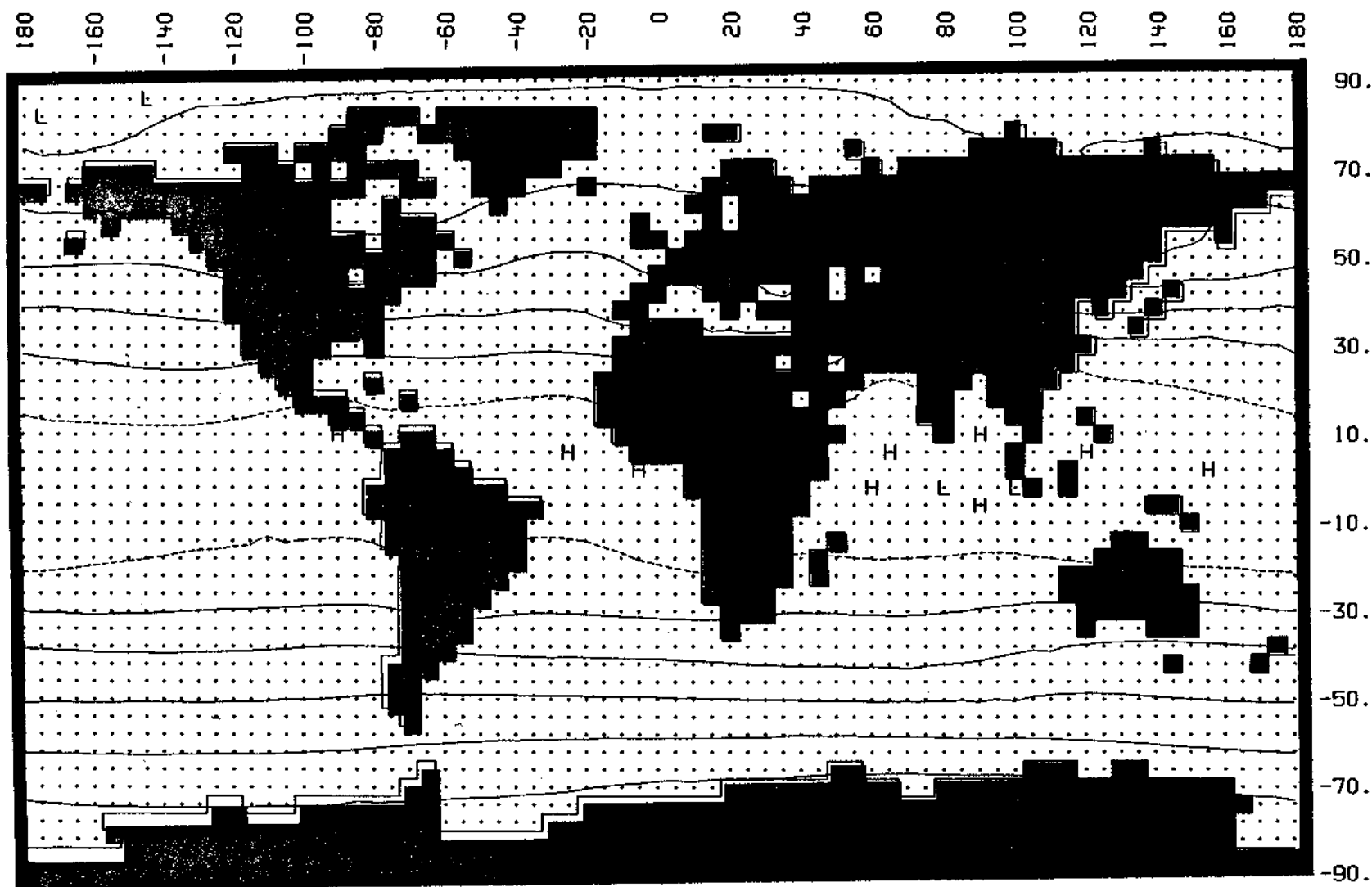


Fig. 3.19--April mean temperature at 400 mb in deg C. The analysis interval is 5 deg C and the -20 deg C isotherm is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

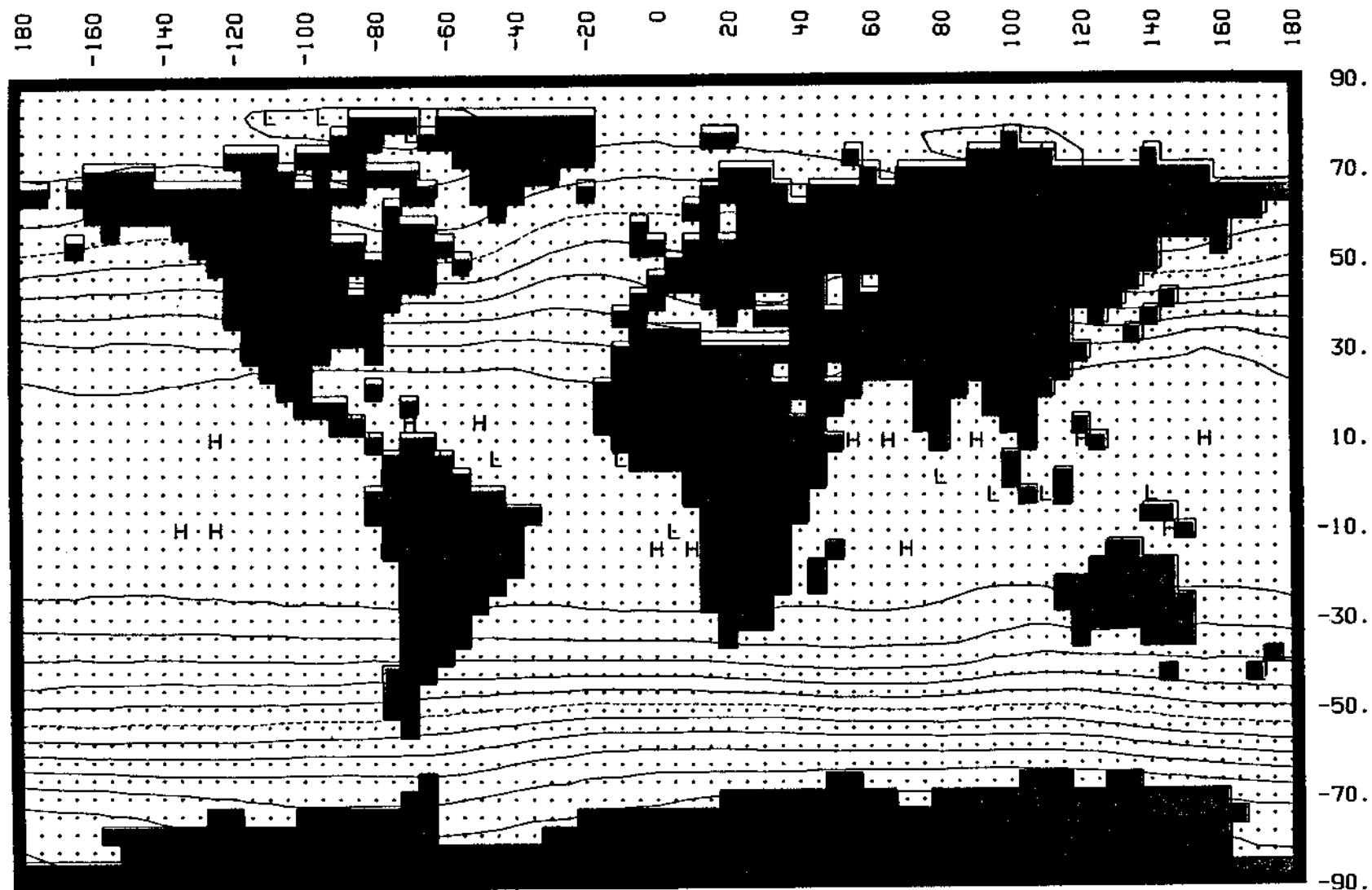


Fig. 3.20--April mean geopotential height at 400 mb in  $10^2$  m. The analysis interval is 100 m and the 7000 m contour is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

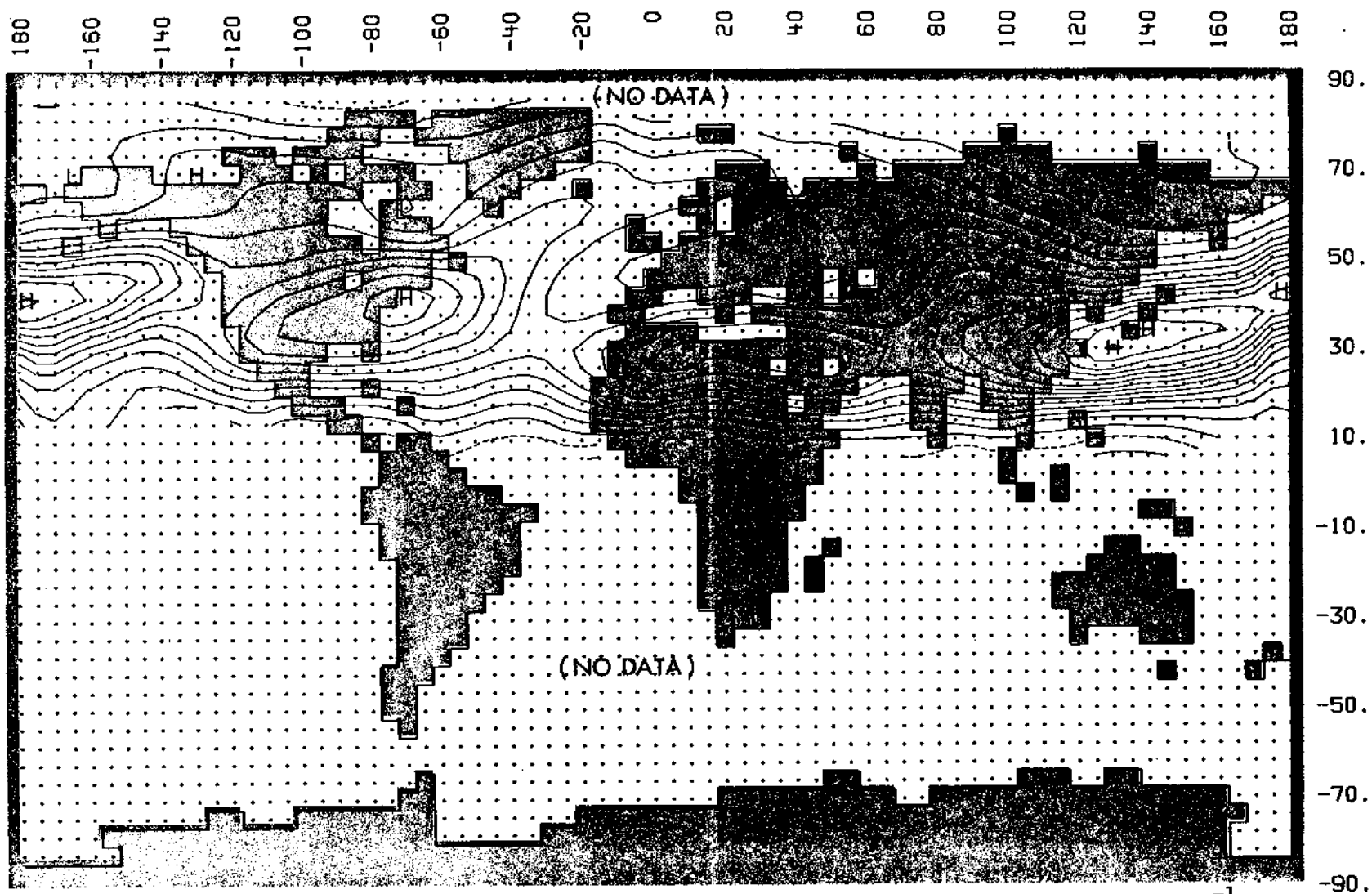


Fig. 3.21--March-April-May mean zonal wind at 400 mb (northern hemisphere only) in  $\text{m sec}^{-1}$ . The analysis interval is  $2 \text{ m sec}^{-1}$  and the 0 isoline is dashed. A positive value denotes wind *toward* the east. Data from the cross section of Crutcher (1961).

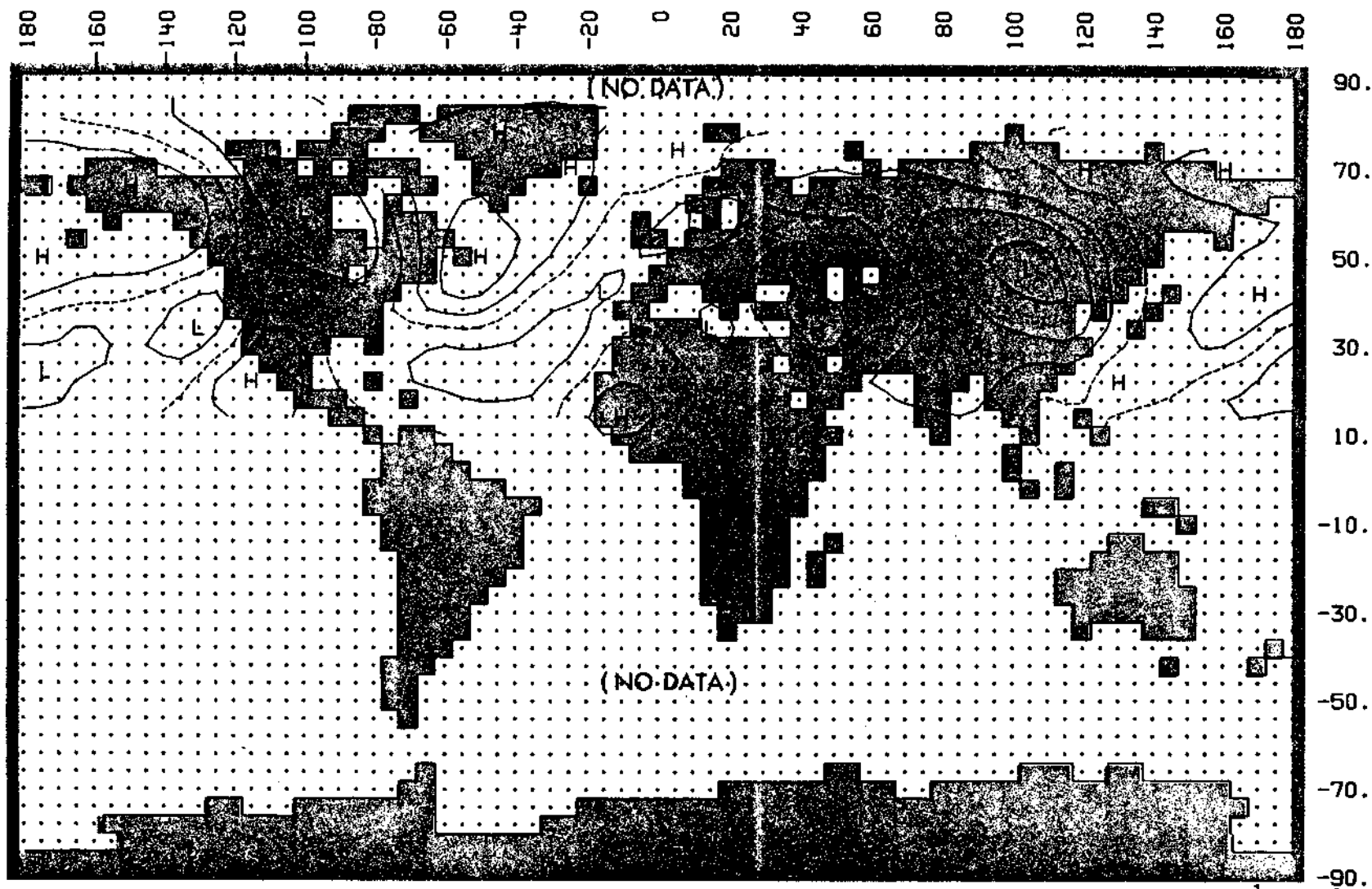


Fig. 3.22--March-April-May mean meridional wind at 400 mb (northern hemisphere only) in  $\text{m sec}^{-1}$ . The analysis interval is  $2.0 \text{ m sec}^{-1}$  and the 0 isoline is dashed. A positive value denotes wind *toward* the north. Data from the cross sections of Crutcher (1961).



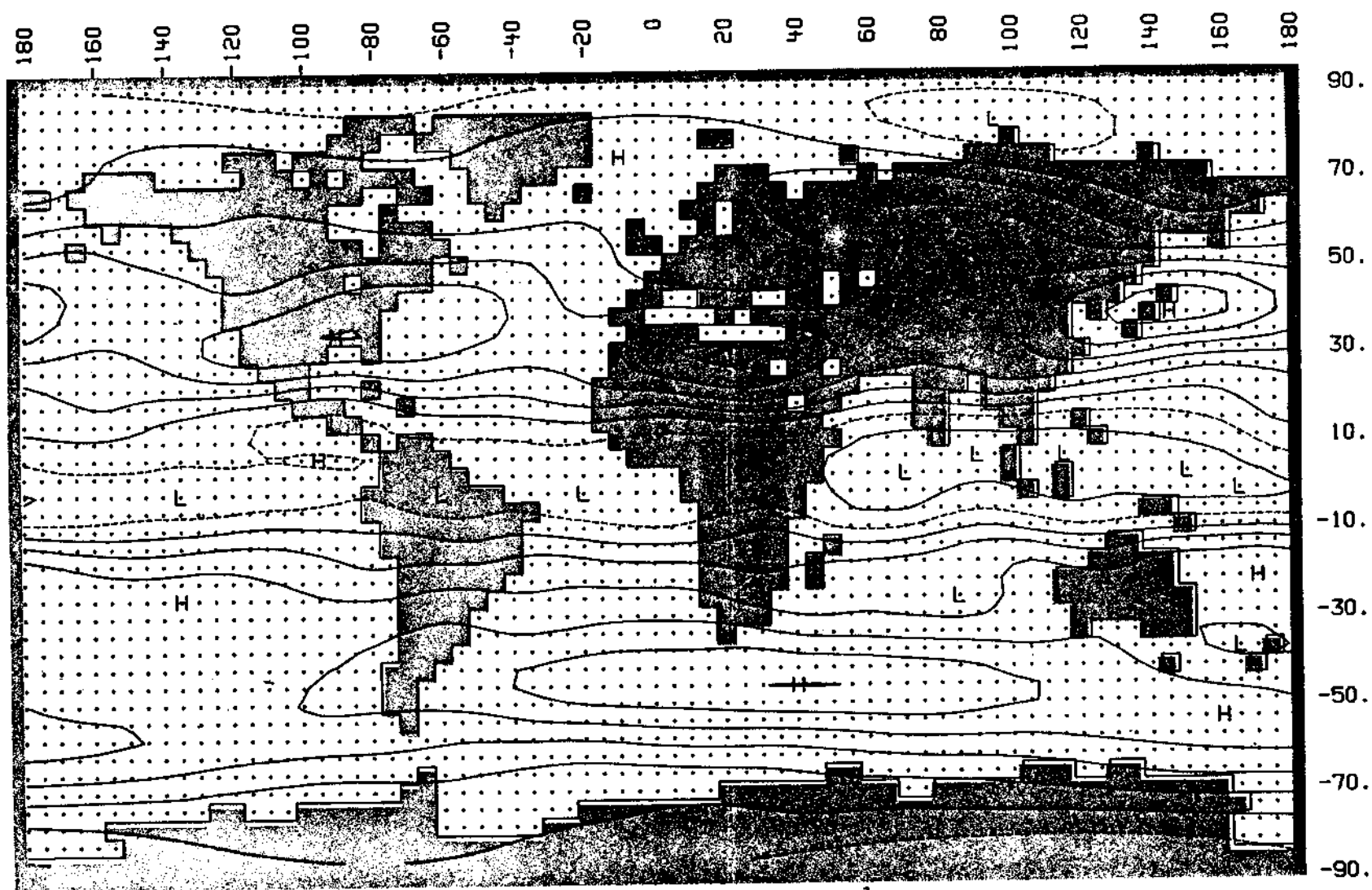


Fig. 3.23--April mean zonal geostrophic wind at 400 mb in  $\text{m sec}^{-1}$ . The analysis interval is  $5 \text{ m sec}^{-1}$  and the 0 isoline is dashed. A positive value denotes wind *toward* the east. Reduced from data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

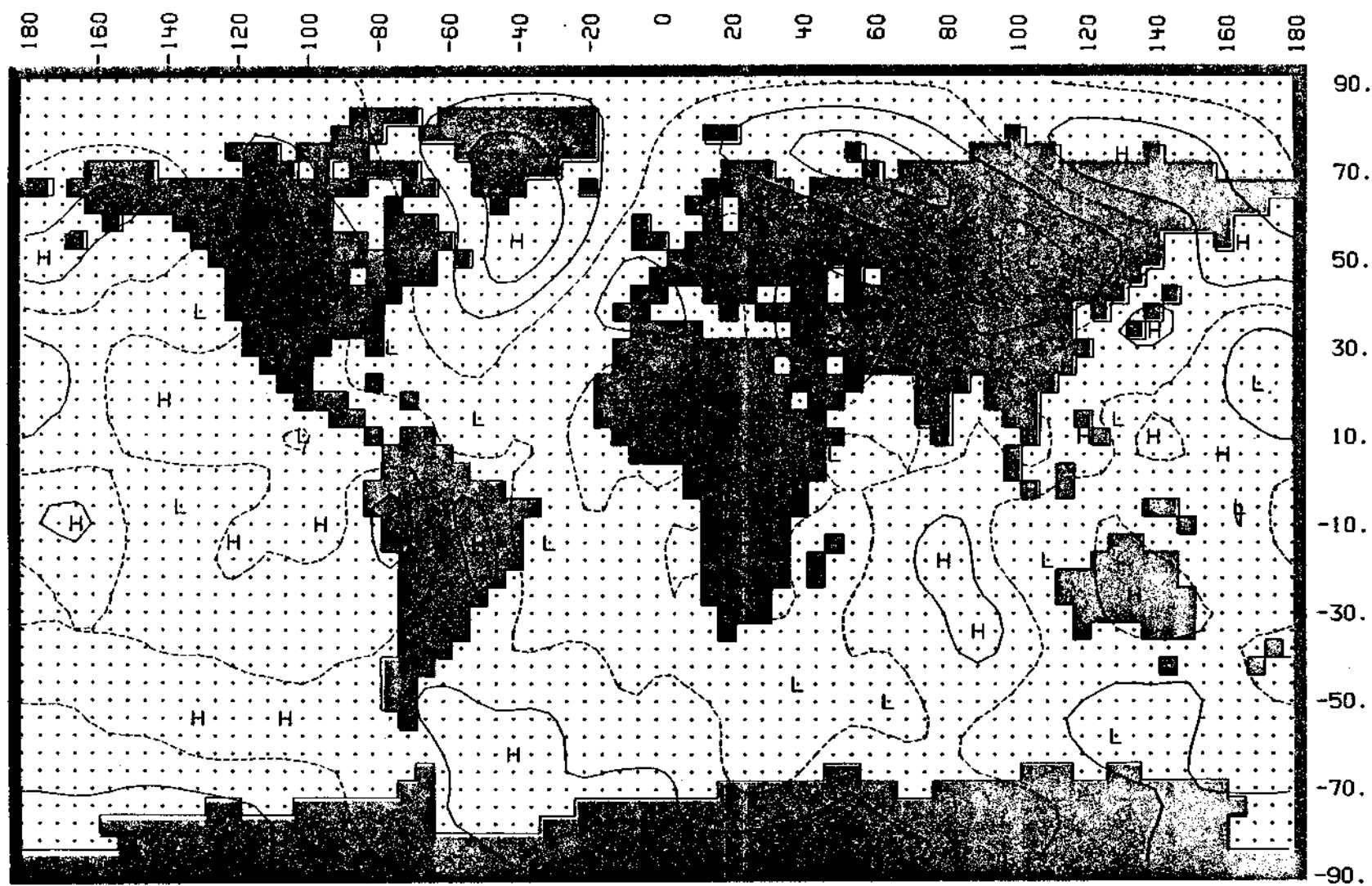


Fig. 3.24--April mean meridional geostrophic wind at 400 mb in  $\text{m sec}^{-1}$ . The analysis interval is  $2.5 \text{ m sec}^{-1}$  and the 0 isoline is dashed. A positive value denotes wind *toward* the north. Reduced from data of Crutcher and Meserve (1970) and Taljaard, et al. (1969).

4. ZONALLY AVERAGED DATA

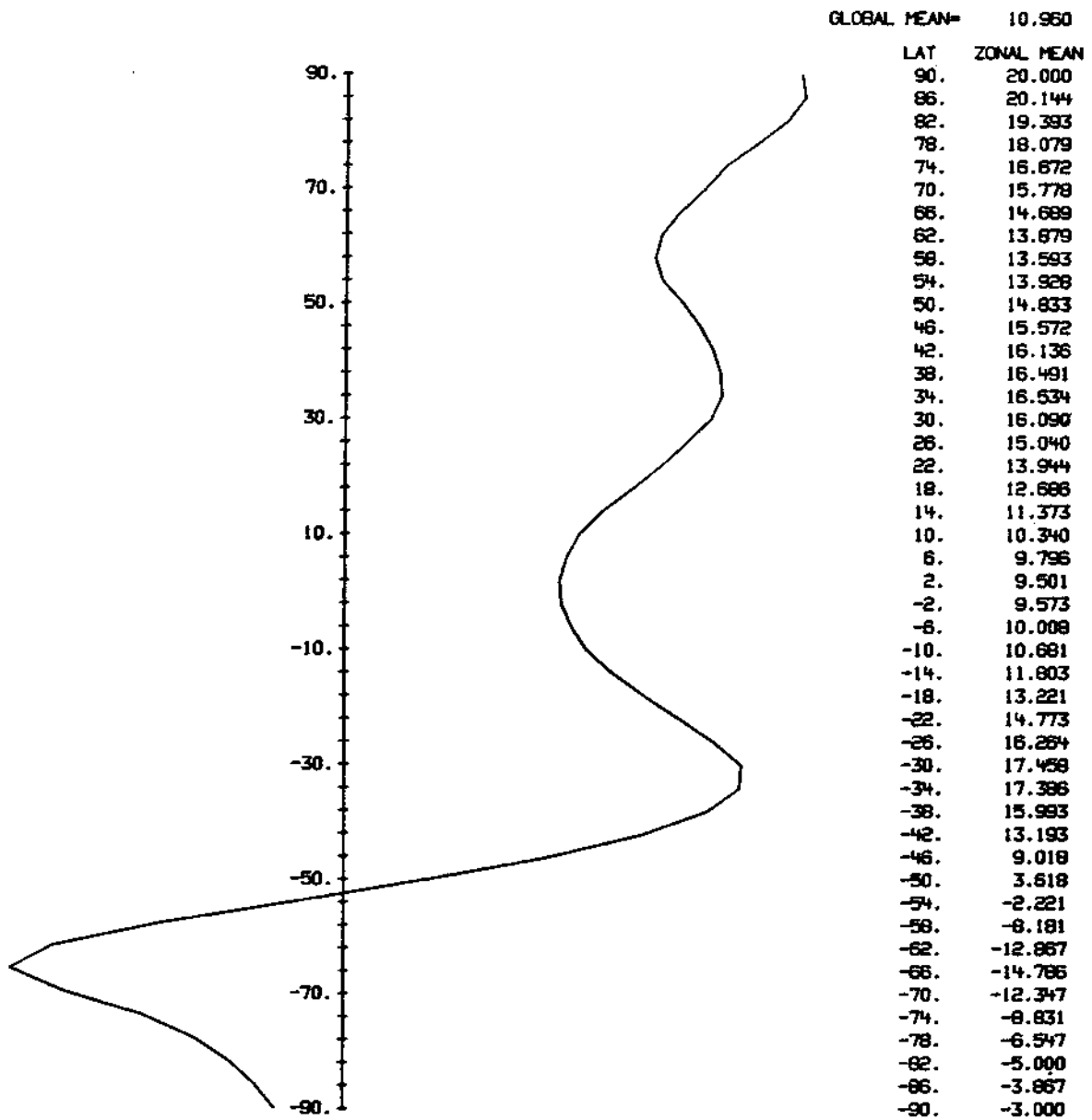


Fig. 4.1--April zonally averaged mean sea-level pressure in mb (relative to 1000 mb), as found from the data of Fig. 3.1.

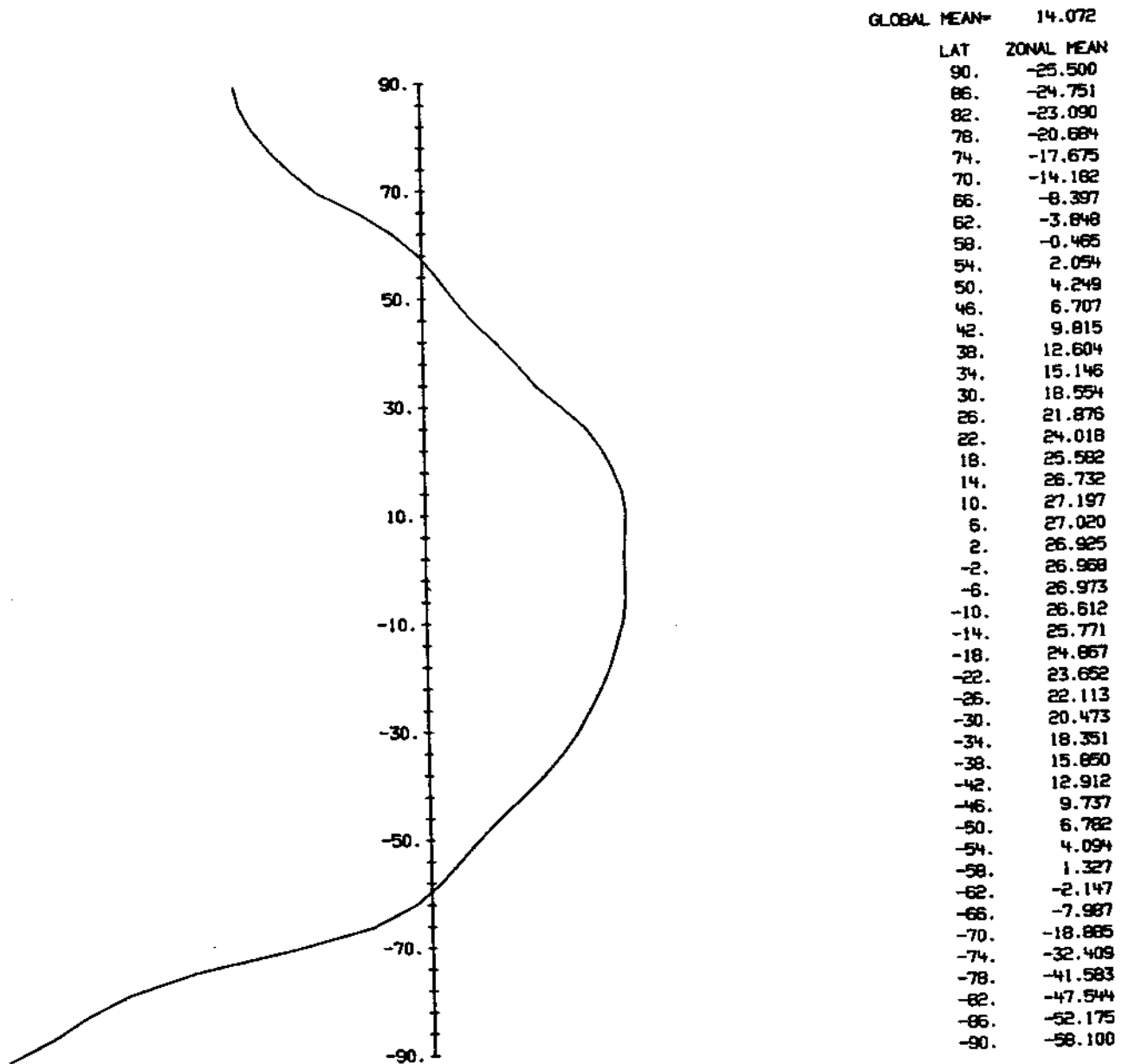


Fig. 4.2--April zonally averaged mean surface air temperature in deg C, as found from the data of Fig. 3.2.

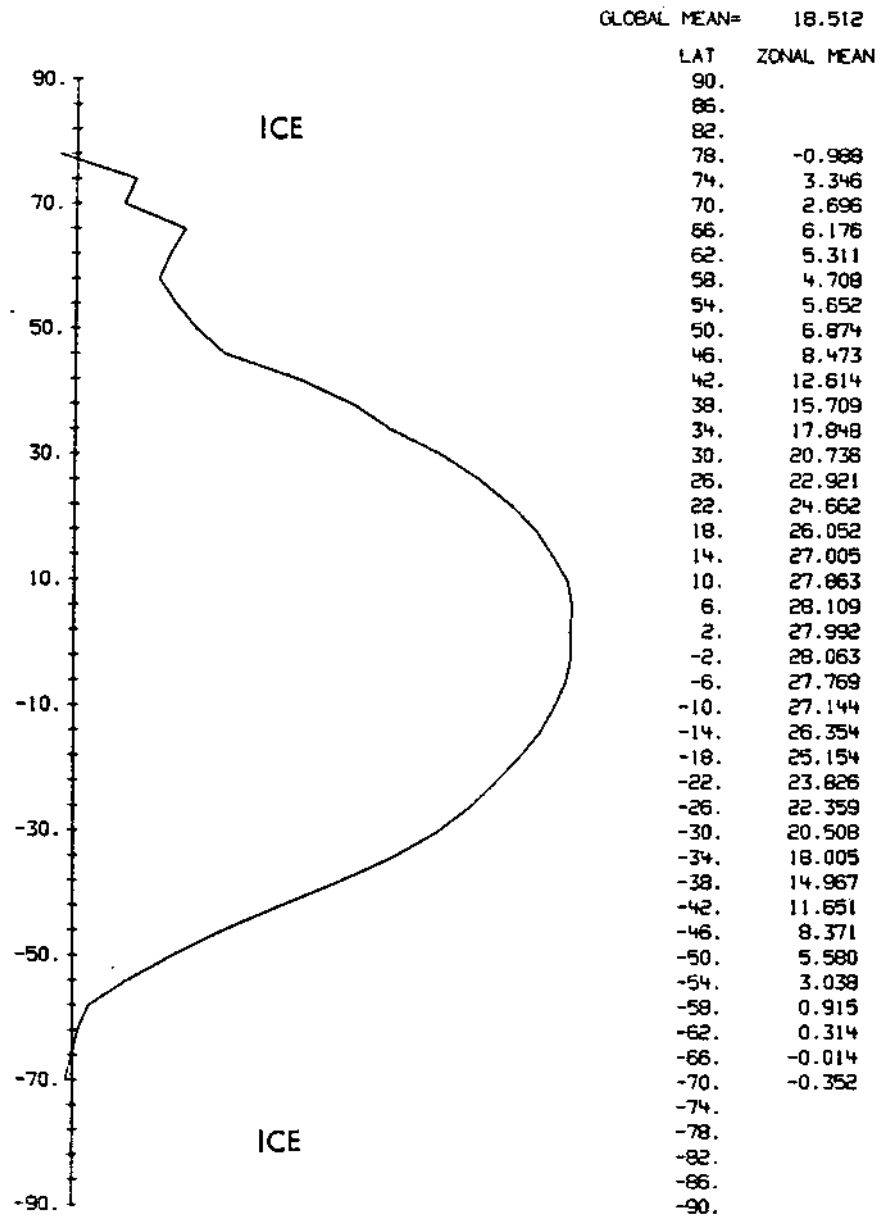


Fig. 4.3--April zonally averaged mean sea-surface temperature in deg C, as found from the data of Fig. 3.3.

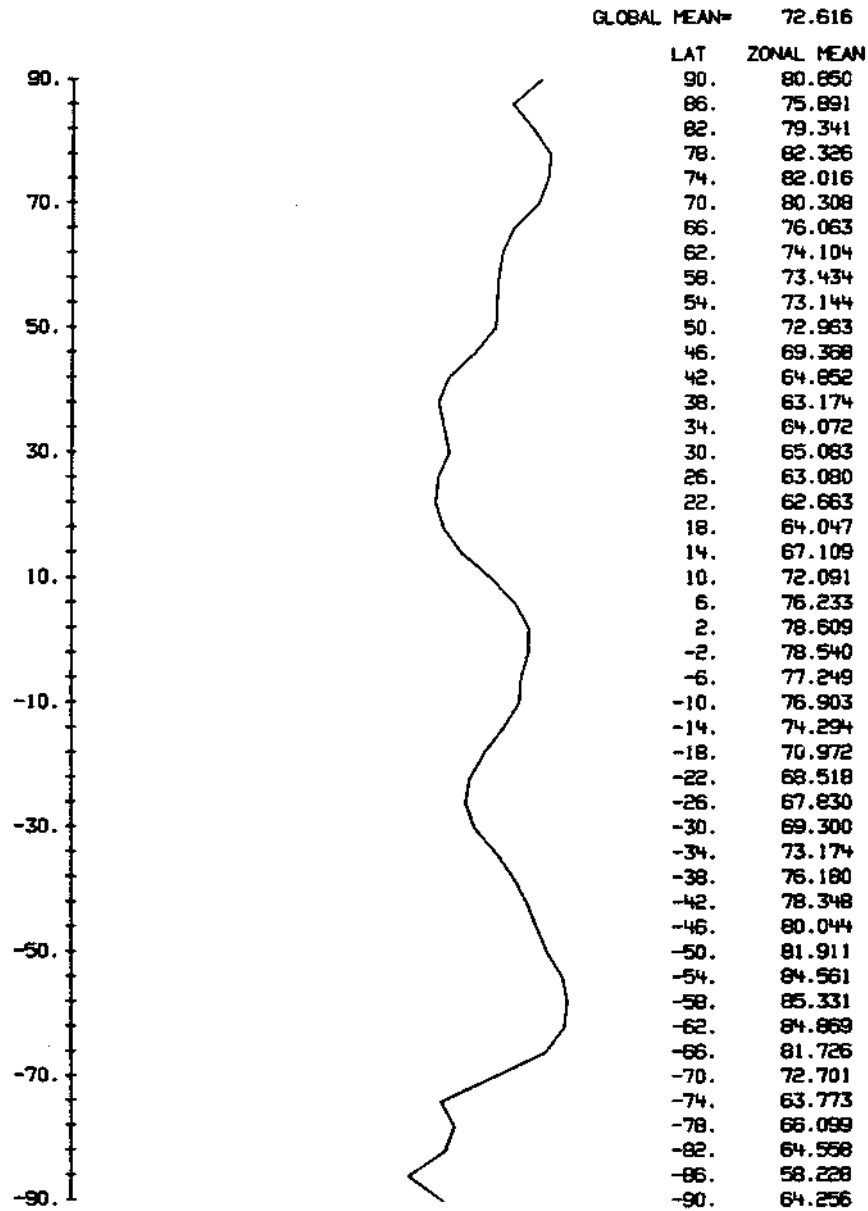


Fig. 4.4--April zonally averaged mean surface relative humidity in percent, as found from the data of Fig. 3.4.

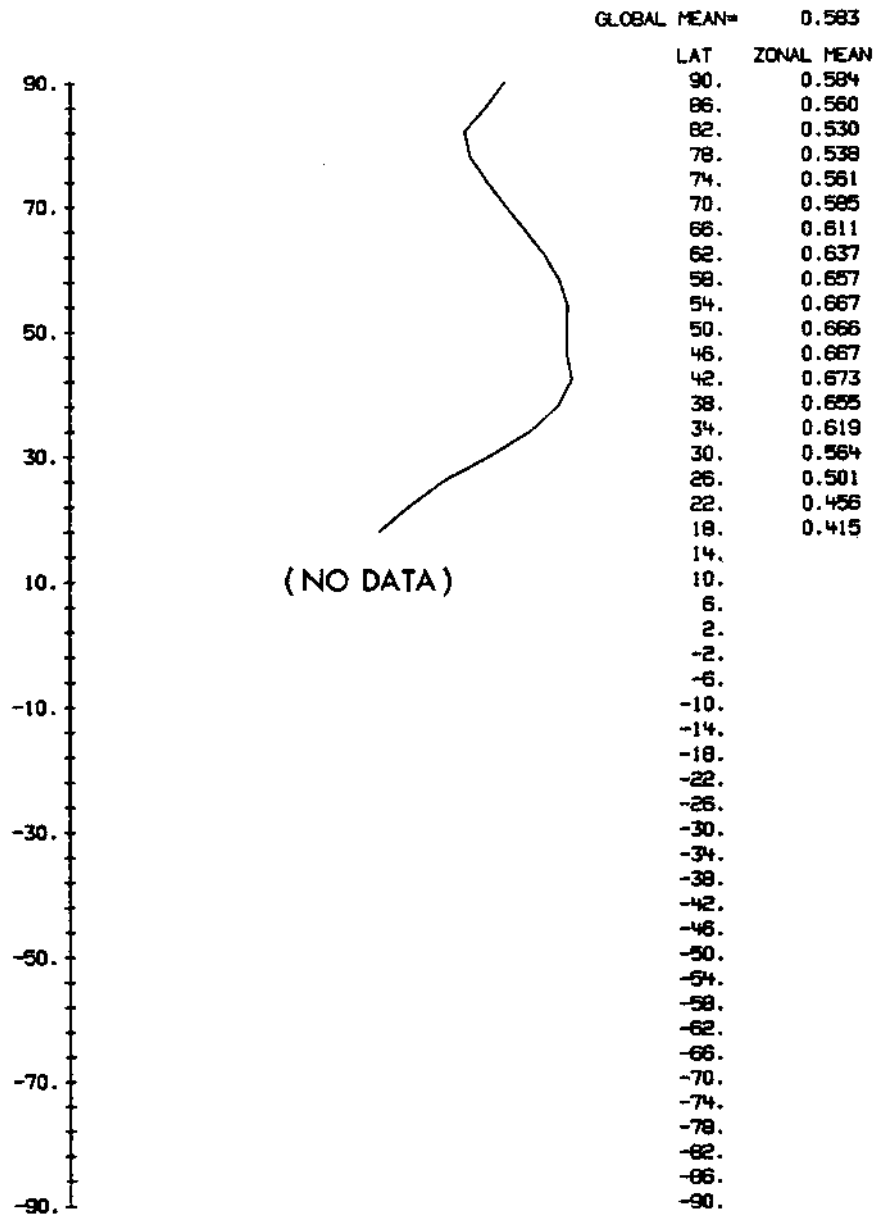


Fig. 4.5A--April zonally averaged mean northern hemisphere total cloud cover in tenths of the sky covered, as found from the data of Fig. 3.5A.



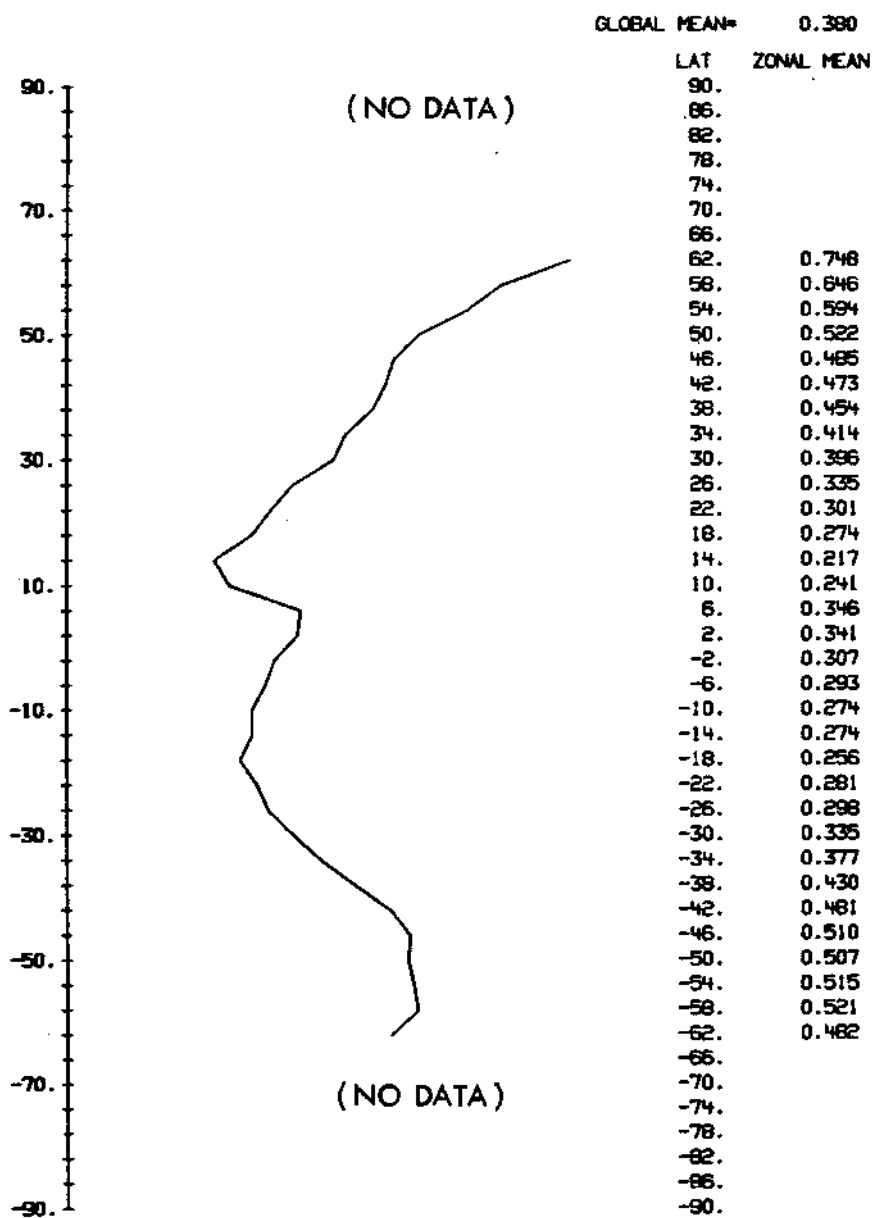


Fig. 4.5B--April zonally averaged mean global total cloud cover in tenths of the sky covered, as found from the data of Fig. 3.5B.

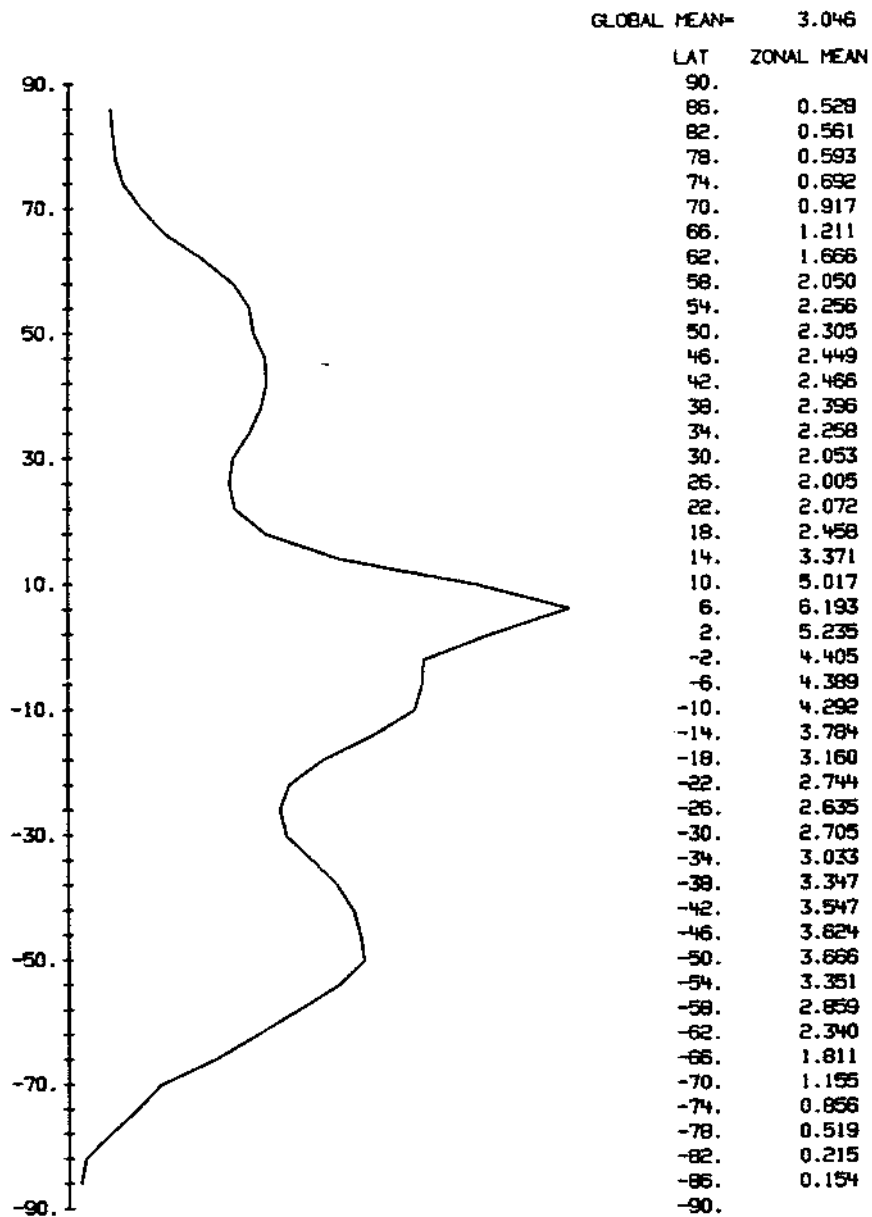


Fig. 4.6A--Zonally averaged mean annual precipitation in mm/day, as found from the data of Fig. 3.6A.

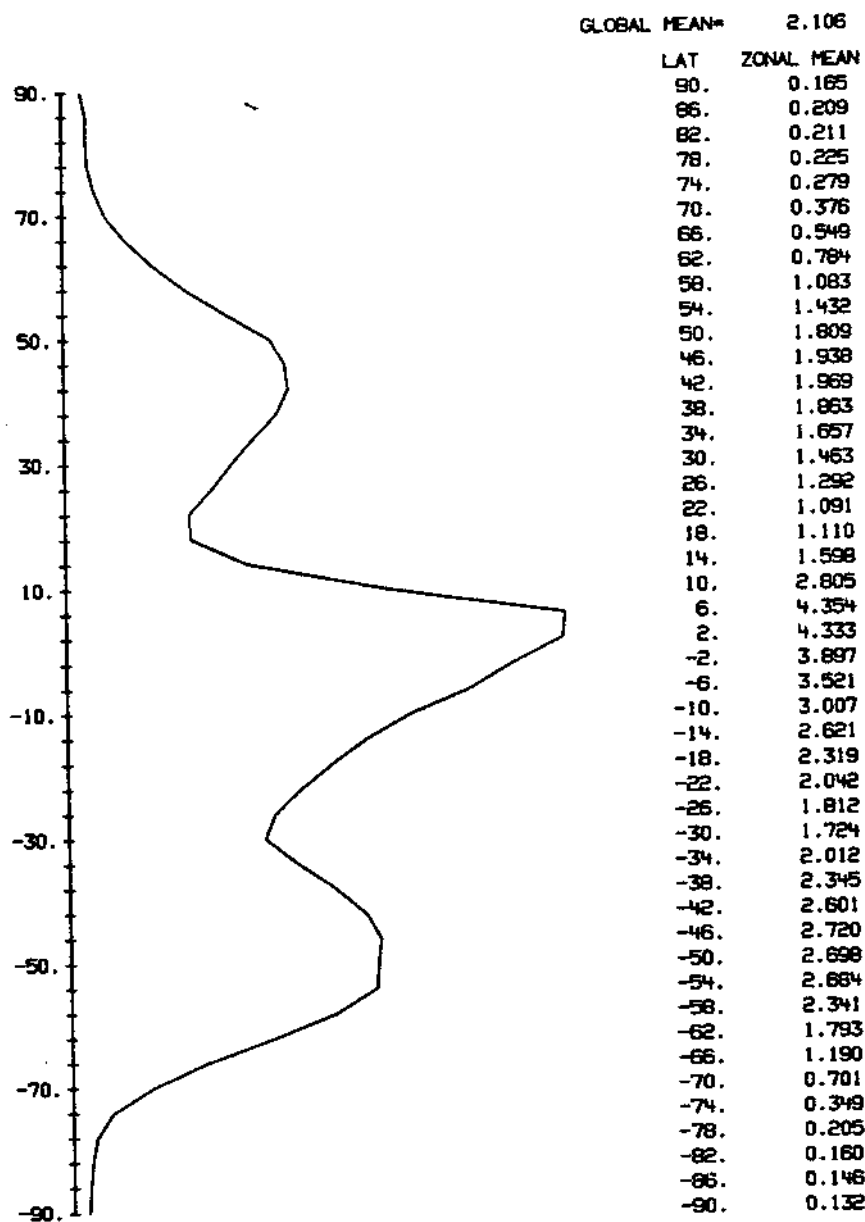


Fig. 4.6B--March-April-May zonally averaged mean precipitation in mm/day, as found from the data of Fig. 3.6B.

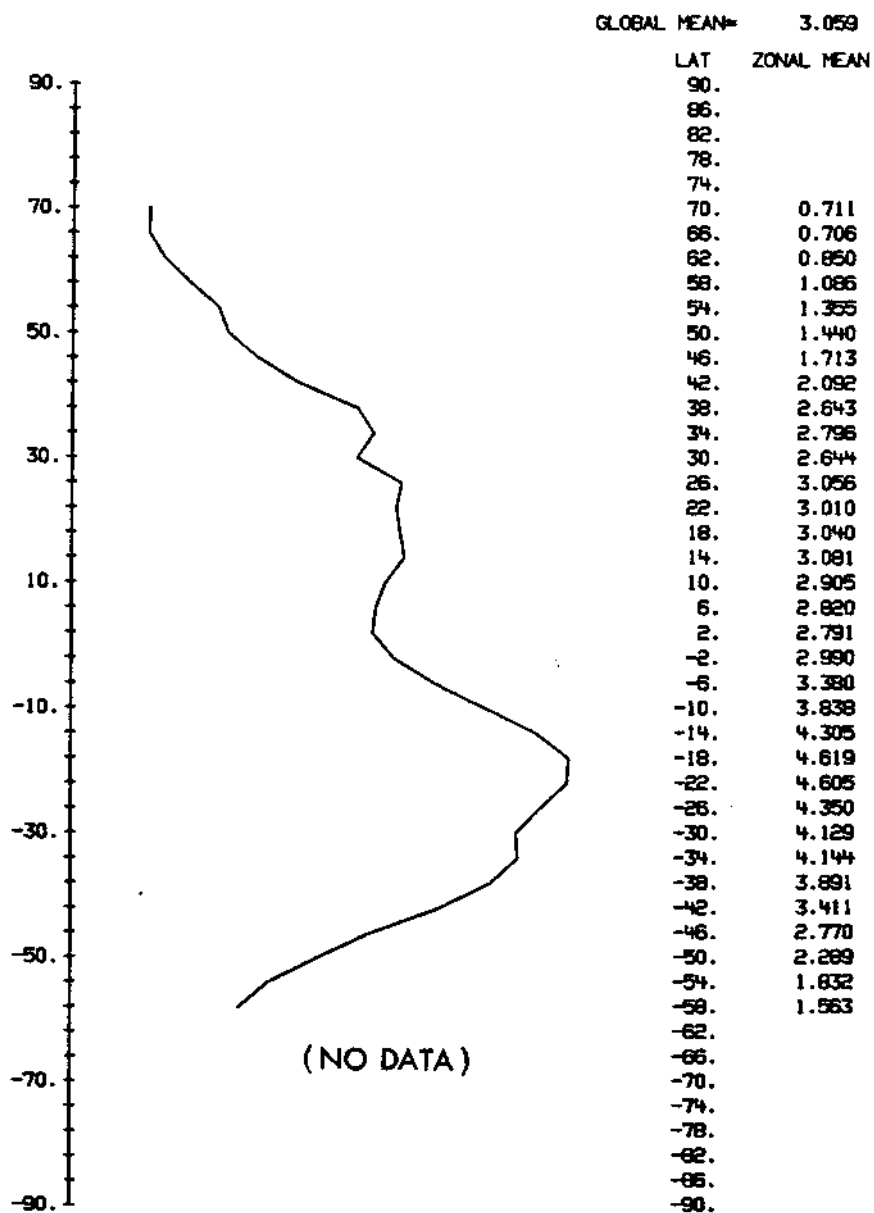


Fig. 4.7--April zonally averaged mean surface evaporation in mm/day, as found from the data of Fig. 3.7.

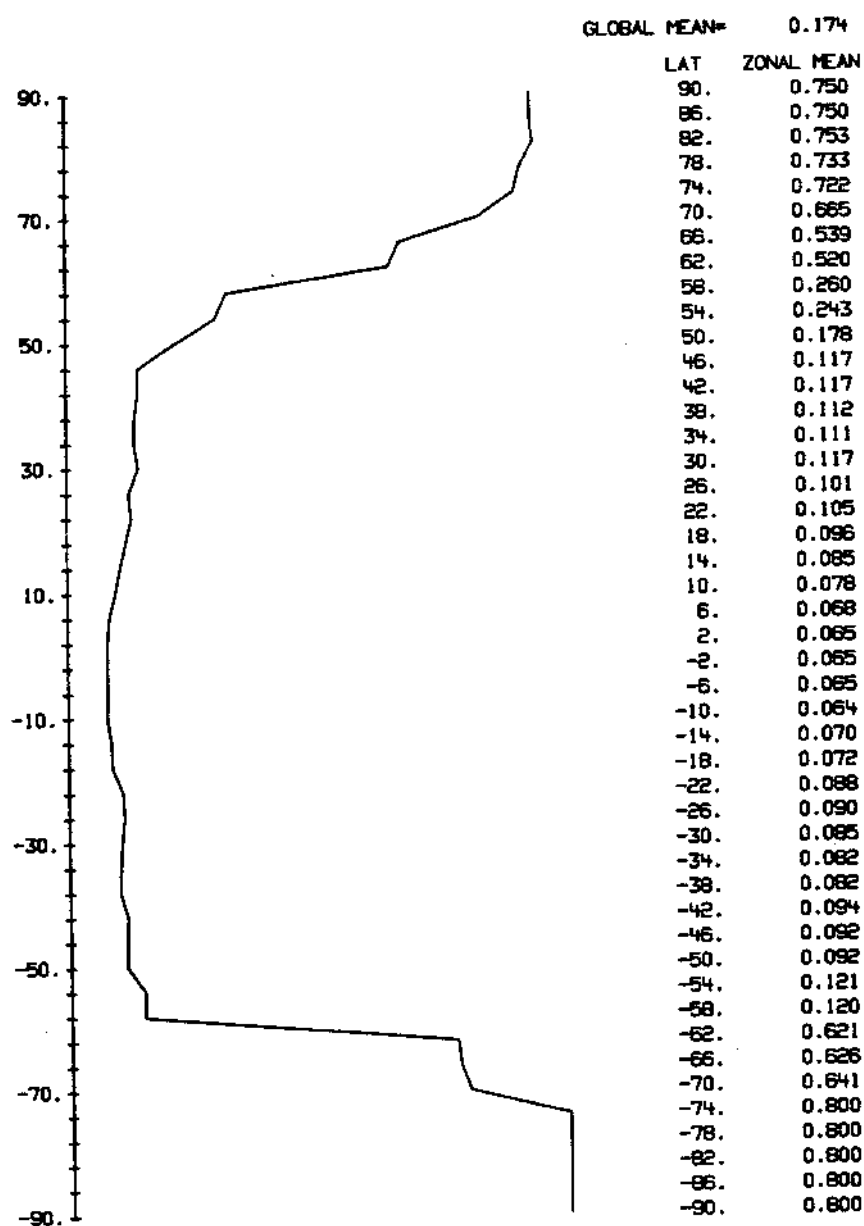


Fig. 4.8A--April zonally averaged mean surface albedo, in fractions, as found from the data of Fig. 3.8A.

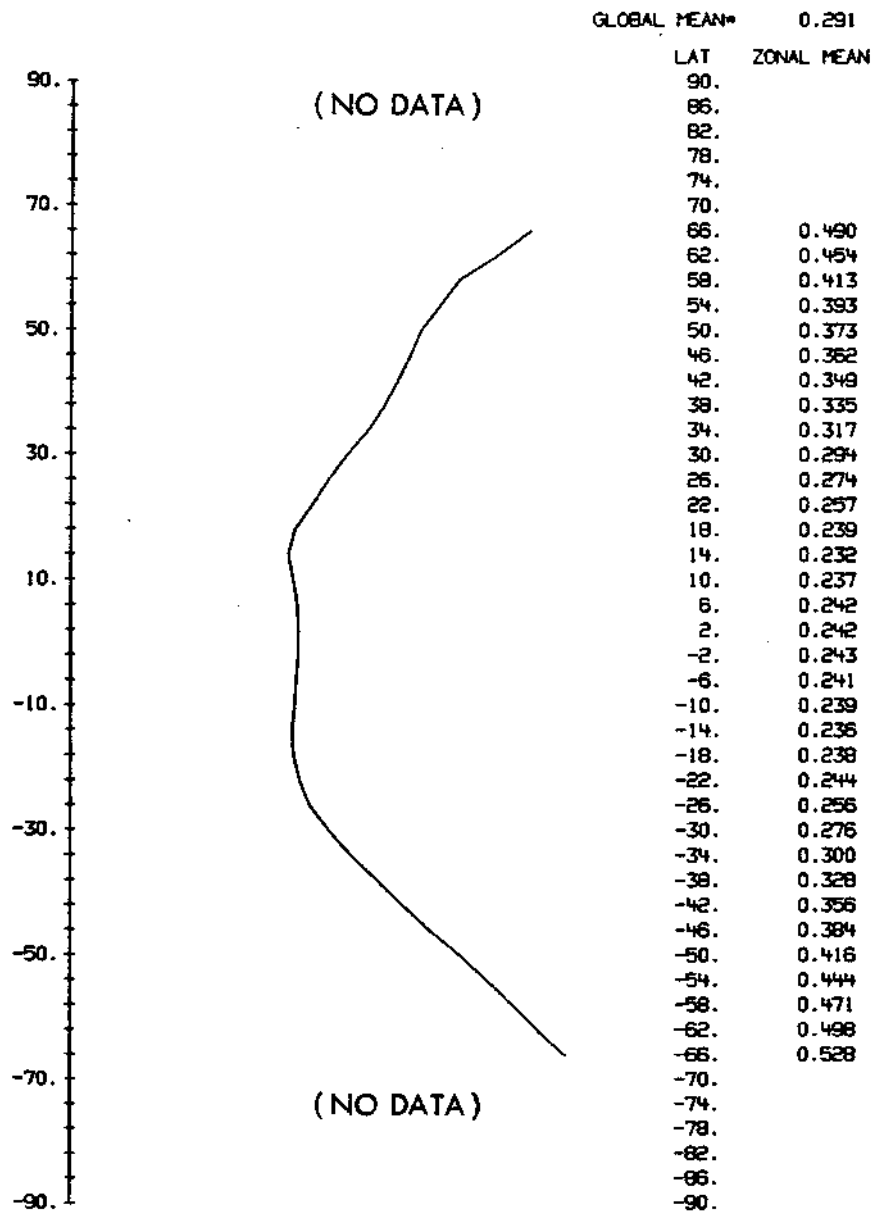


Fig. 4.8B--March-April-May zonally averaged mean planetary albedo, in fractions, as found from the data of Fig. 3.8B.

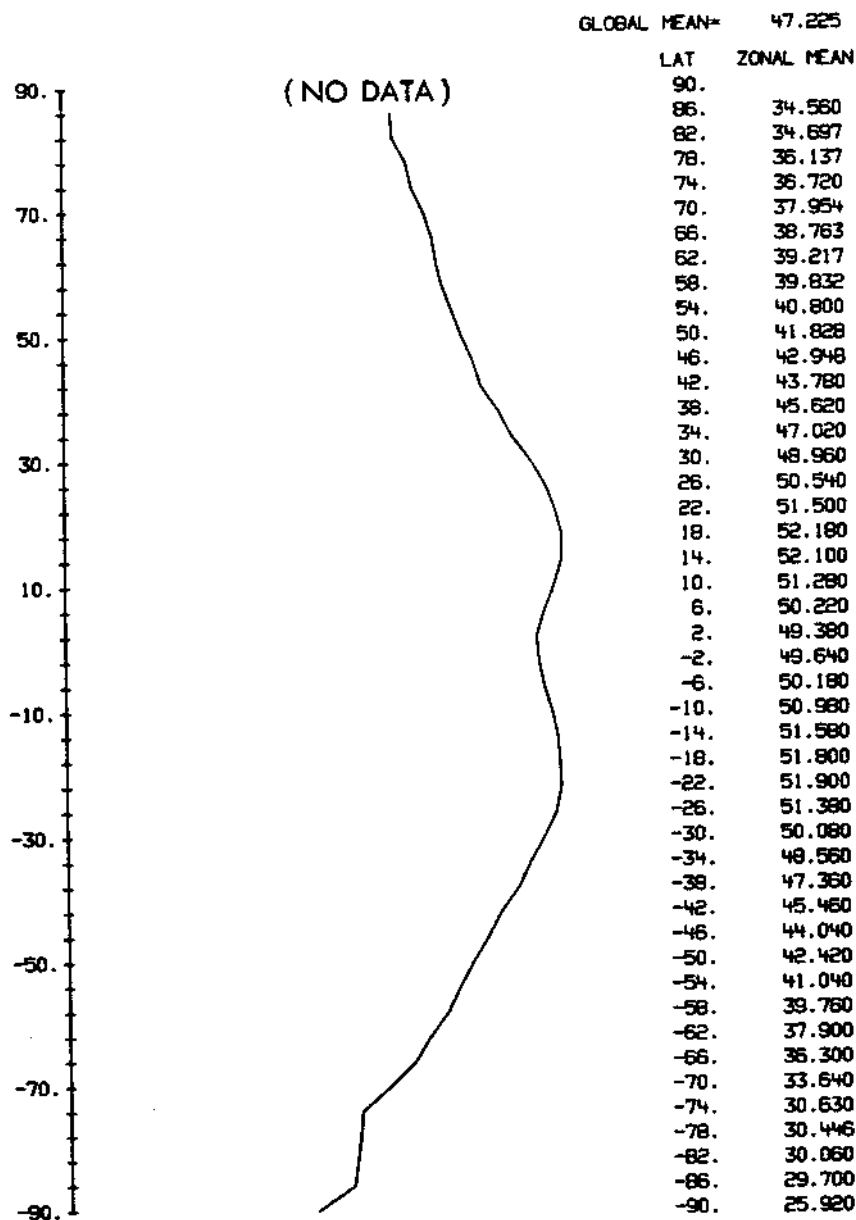


Fig. 4.8C--March-April-May zonally averaged mean outgoing long-wave radiation, in  $10^2$  ly/day, as found from the data of Fig. 3.8C.

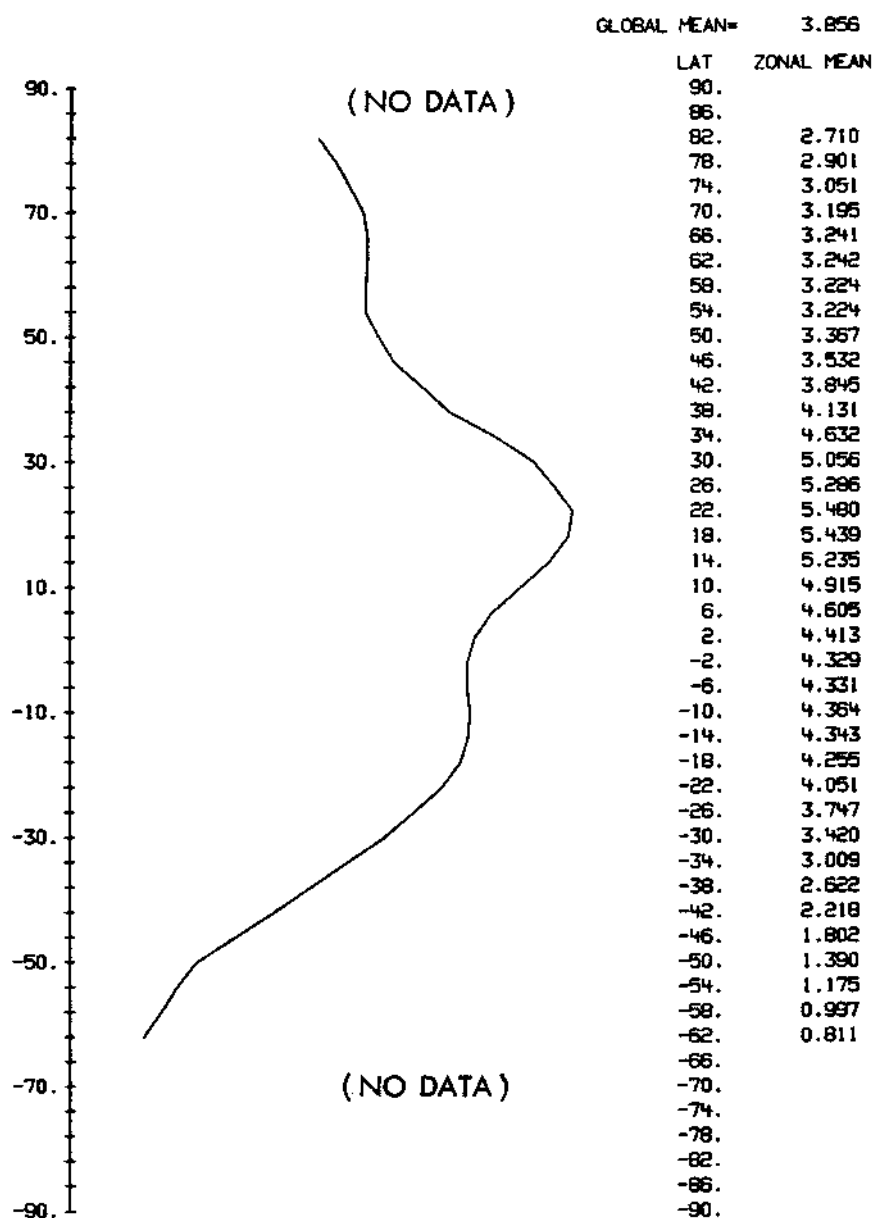


Fig. 4.8D--April zonally averaged mean solar radiation received at the surface in  $10^2$  ly/day, as found from the data of Fig. 3.8D.



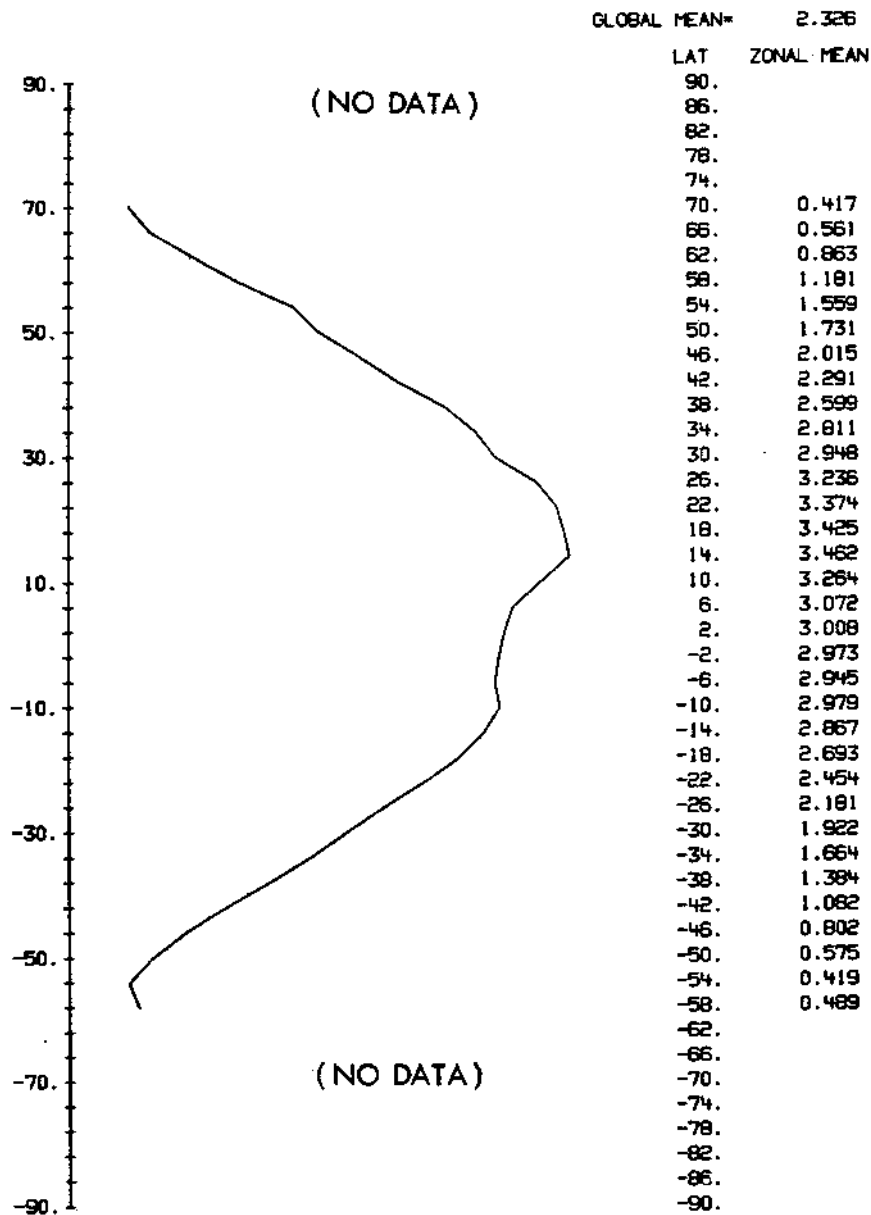


Fig. 4.9--April zonally averaged mean radiation balance at the surface in  $10^2$  ly/day, as found from the data of Fig. 3.9.

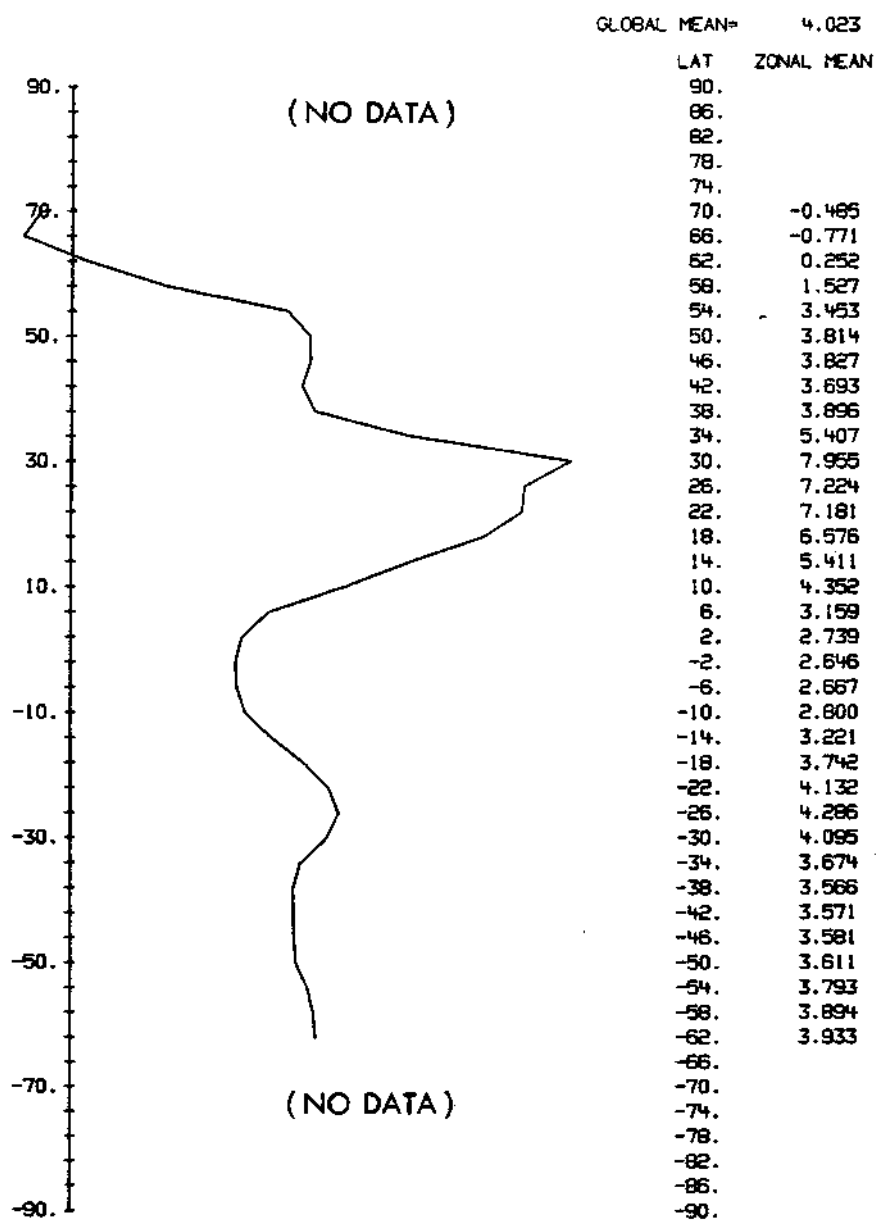


Fig. 4.10--April zonally averaged mean sensible heat flux at the surface in 10 ly/day, as found from the data of Fig. 3.10.

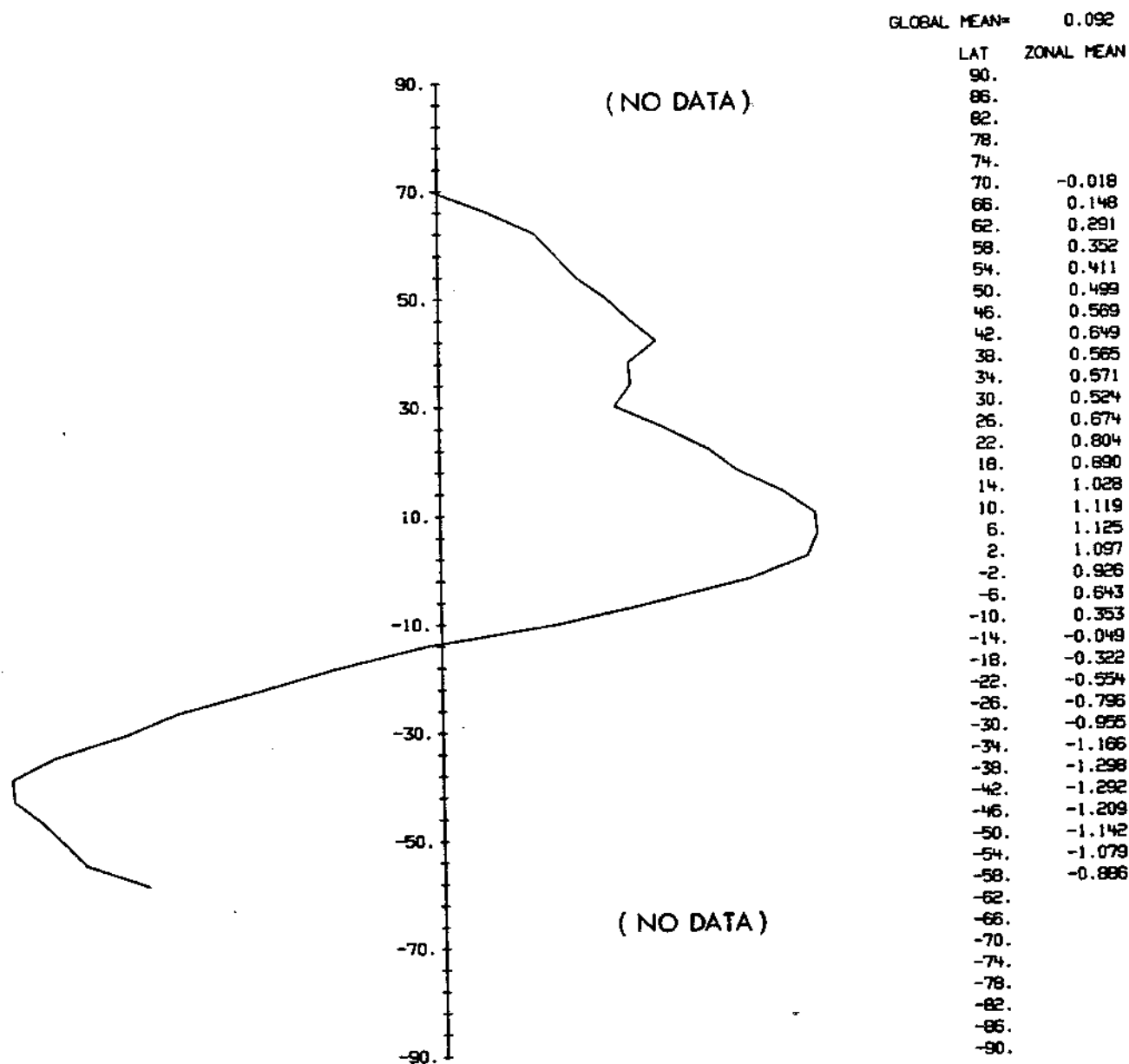


Fig. 4.11--April zonally averaged mean total surface heat balance at the surface in  $10^2$  ly/day, as found from the data of Fig. 3.11.

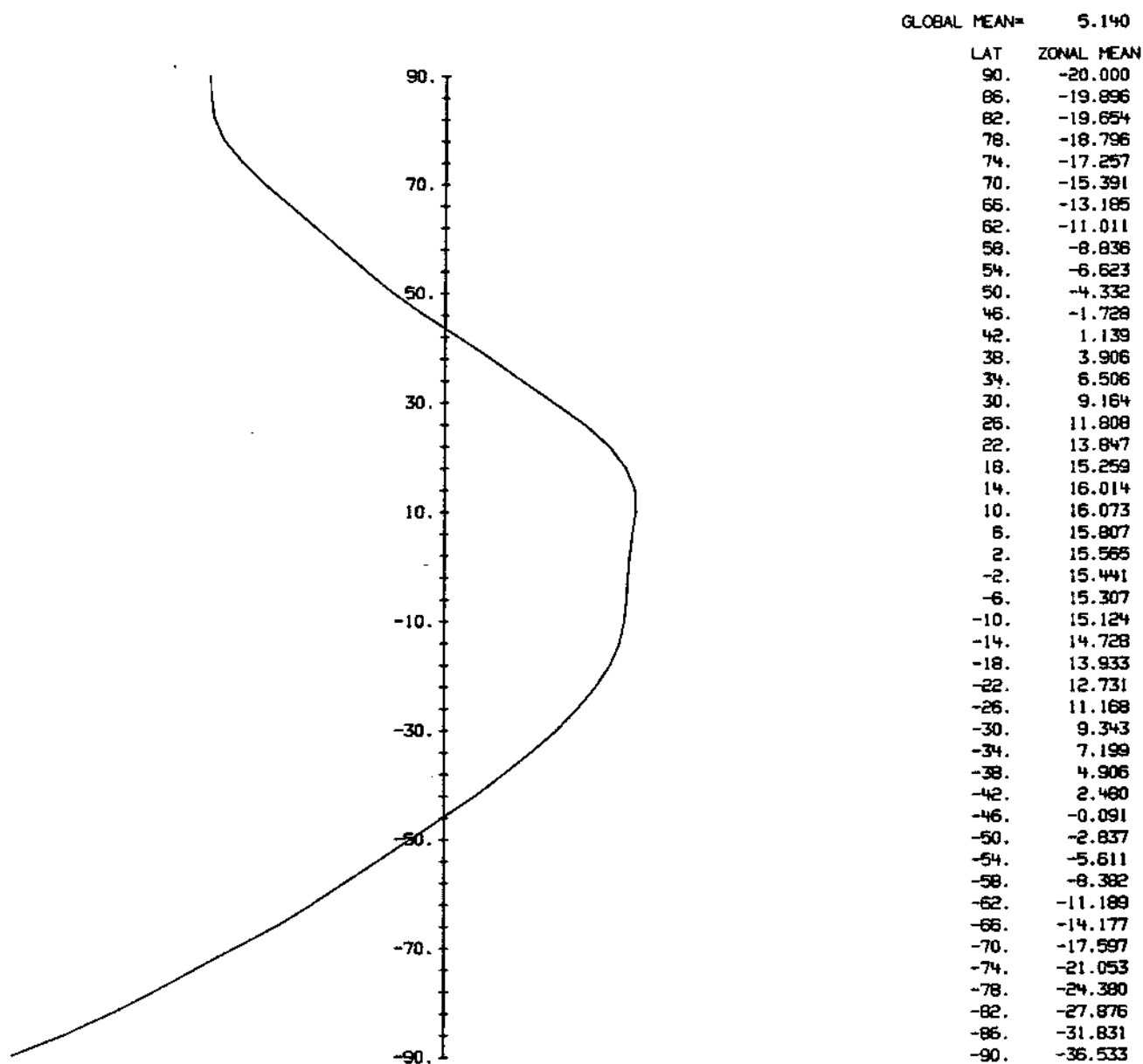


Fig. 4.12--April zonally averaged mean temperature at 800 mb in deg C, as found from the data of Fig. 3.12.

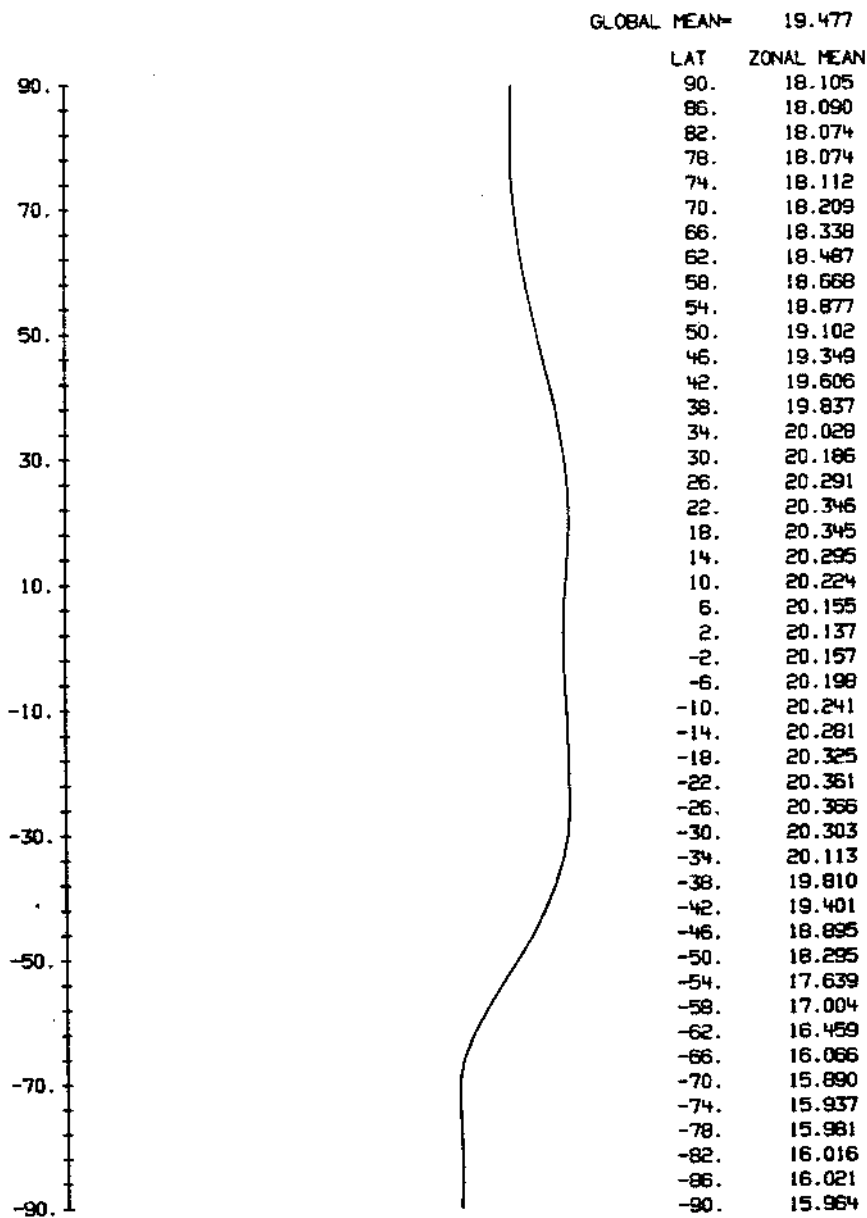


Fig. 4.13--April zonally averaged mean geopotential height at 800 mb in  $10^2$  m, as found from the data of Fig. 3.13.

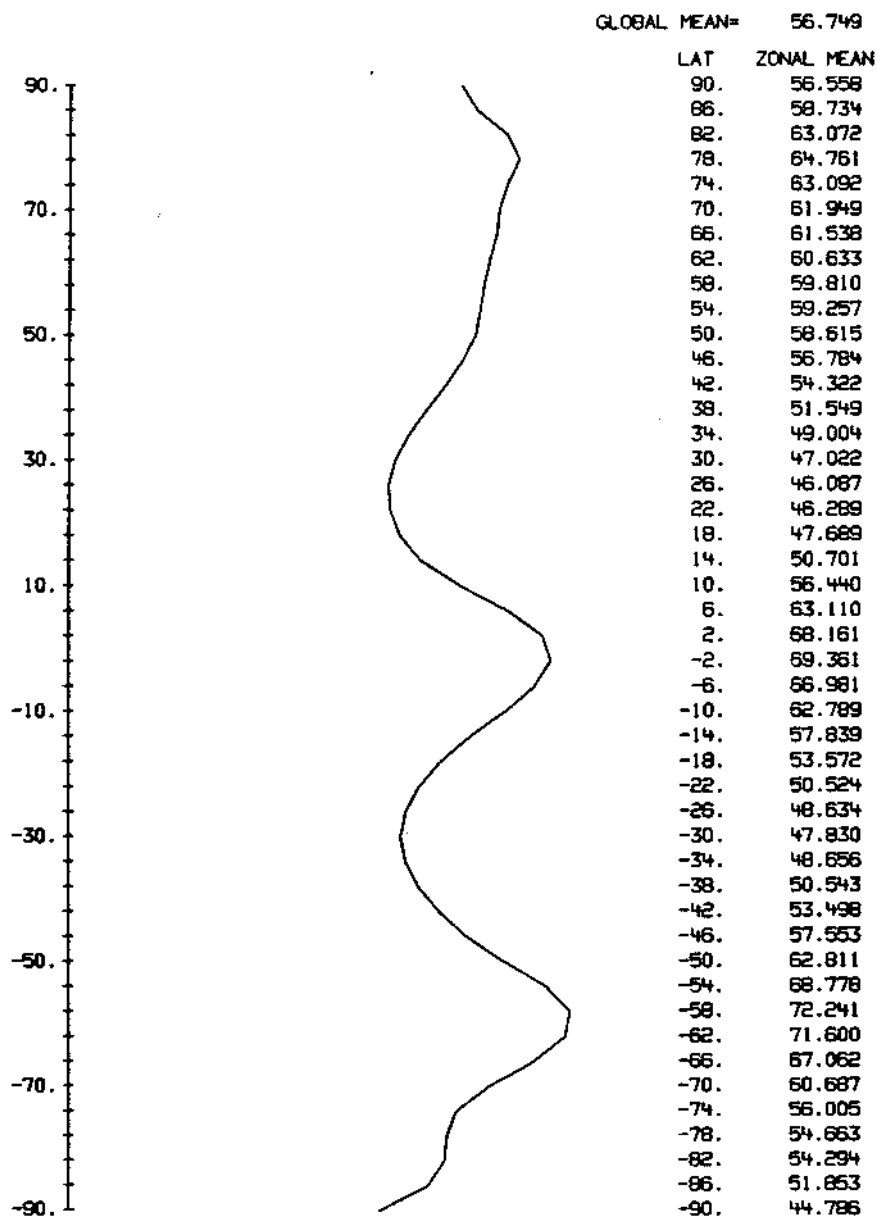


Fig. 4.14--April zonally averaged mean relative humidity at 800 mb in percent, as found from the data of Fig. 3.14.

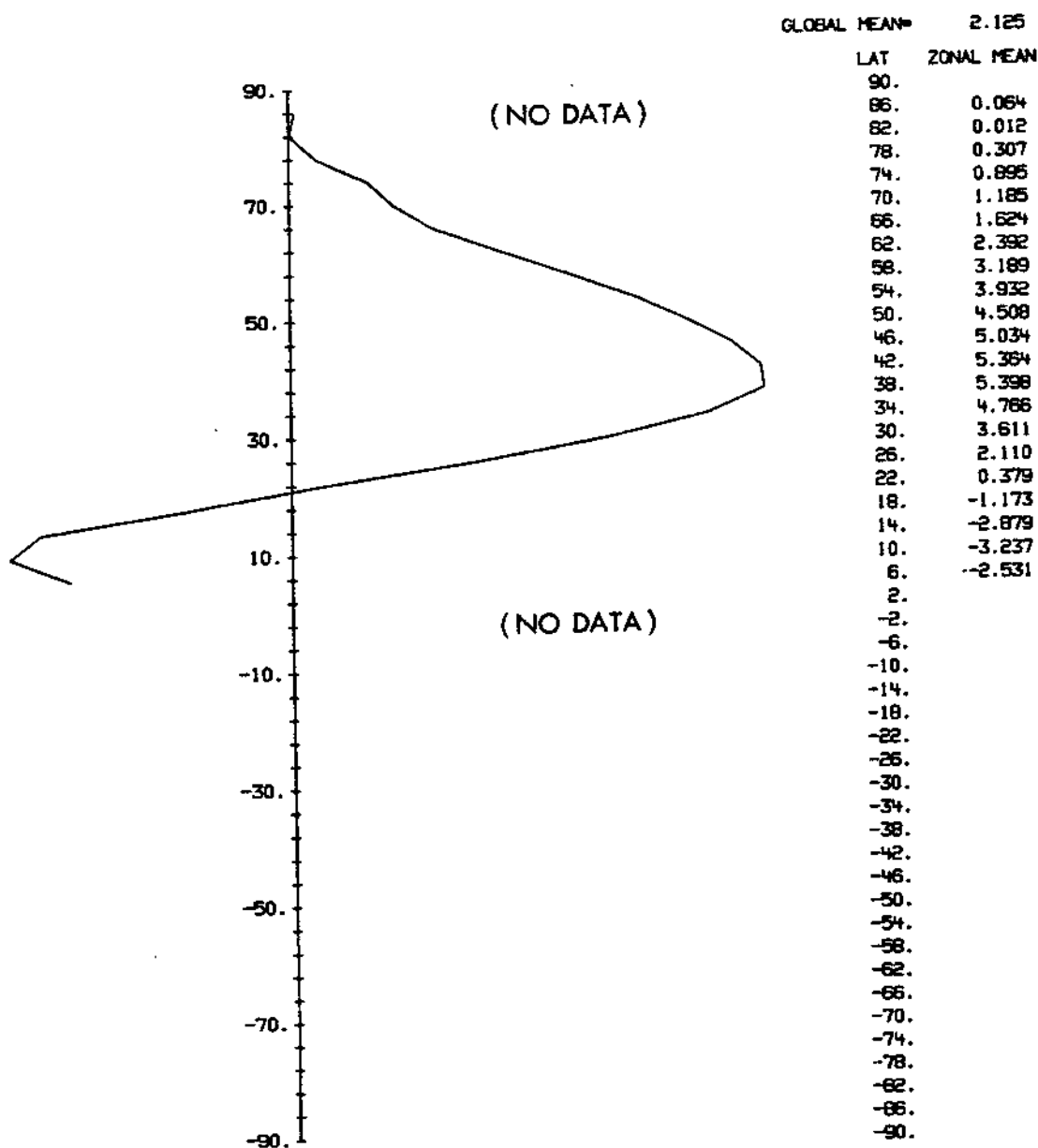


Fig. 4.15--March-April-May zonally averaged mean zonal wind at 800 mb (northern hemisphere only) in  $\text{m sec}^{-1}$ , as found from the data of Fig. 3.15. A positive value denotes wind *toward* the east. The value for  $90^\circ\text{S}$  is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

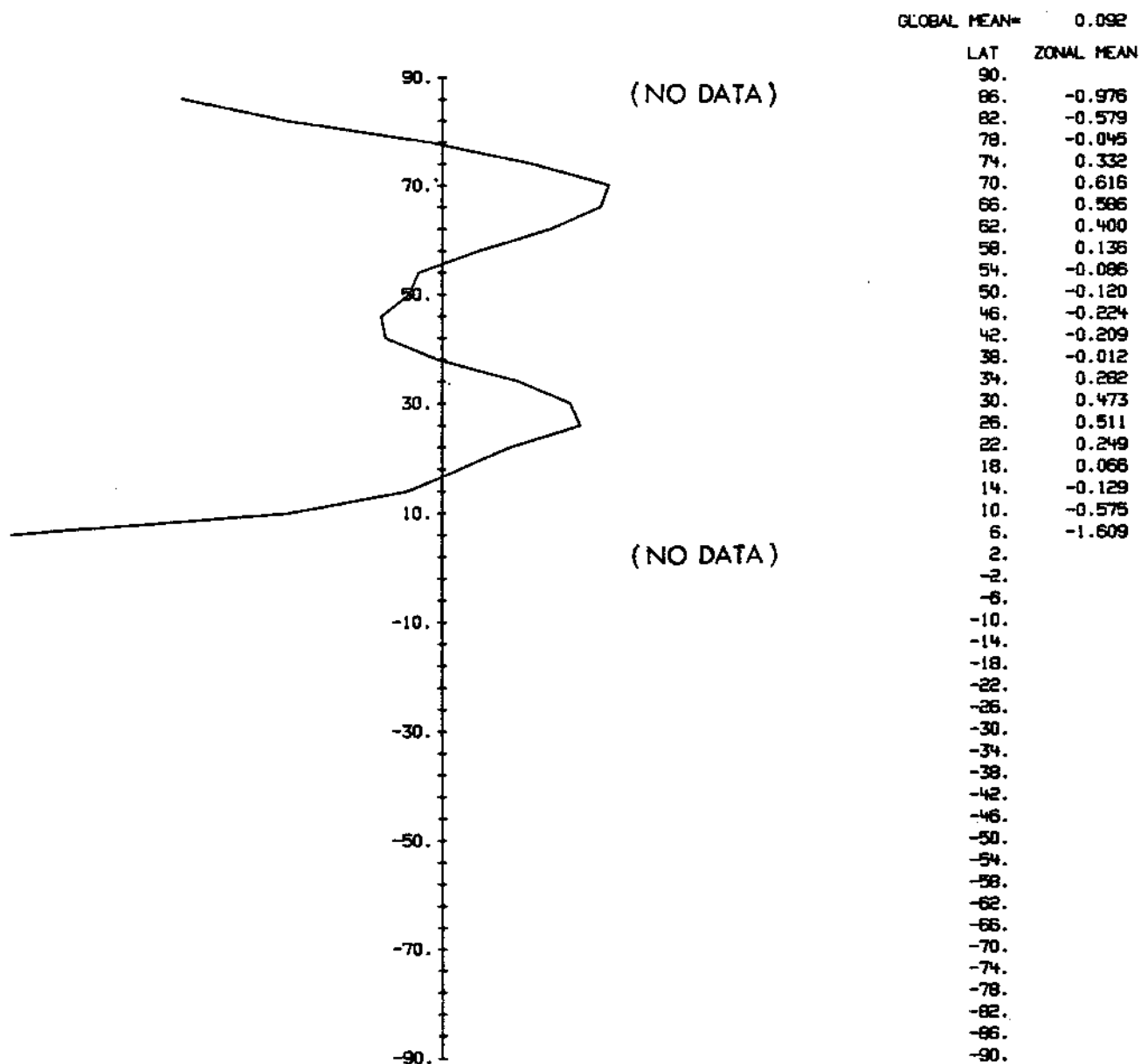


Fig. 4.16--March-April-May zonally averaged mean meridional wind at 800 mb (northern hemisphere only) in  $\text{m sec}^{-1}$ , as found from the data of Fig. 3.16. A positive value denotes wind *toward* the north. The value for  $90^\circ\text{S}$  is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.



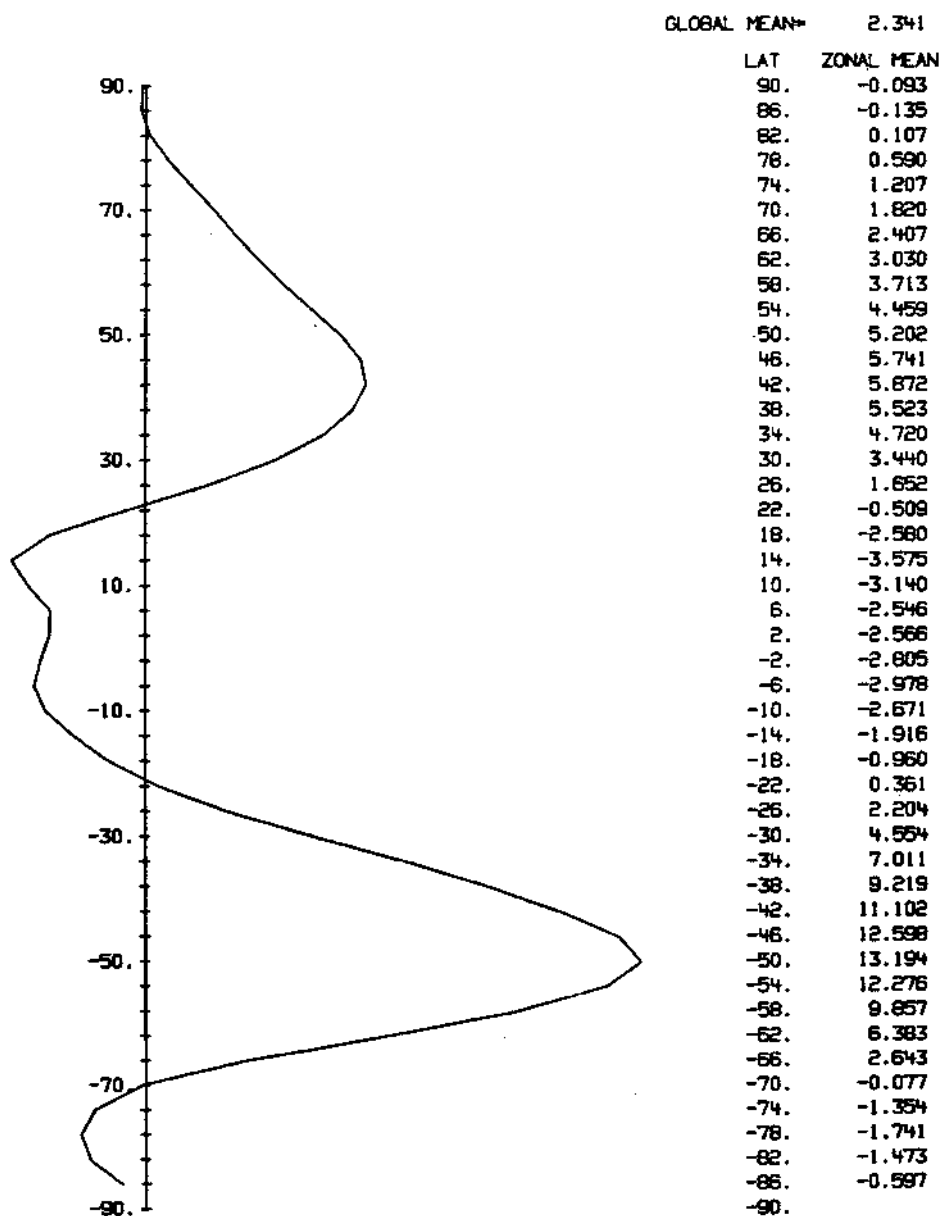


Fig. 4.17--April zonally averaged mean zonal geostrophic wind at 800 mb in  $\text{m sec}^{-1}$ , as found from the data of Fig. 3.17. A positive value denotes wind *toward* the east. The value for  $90^\circ\text{S}$  is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

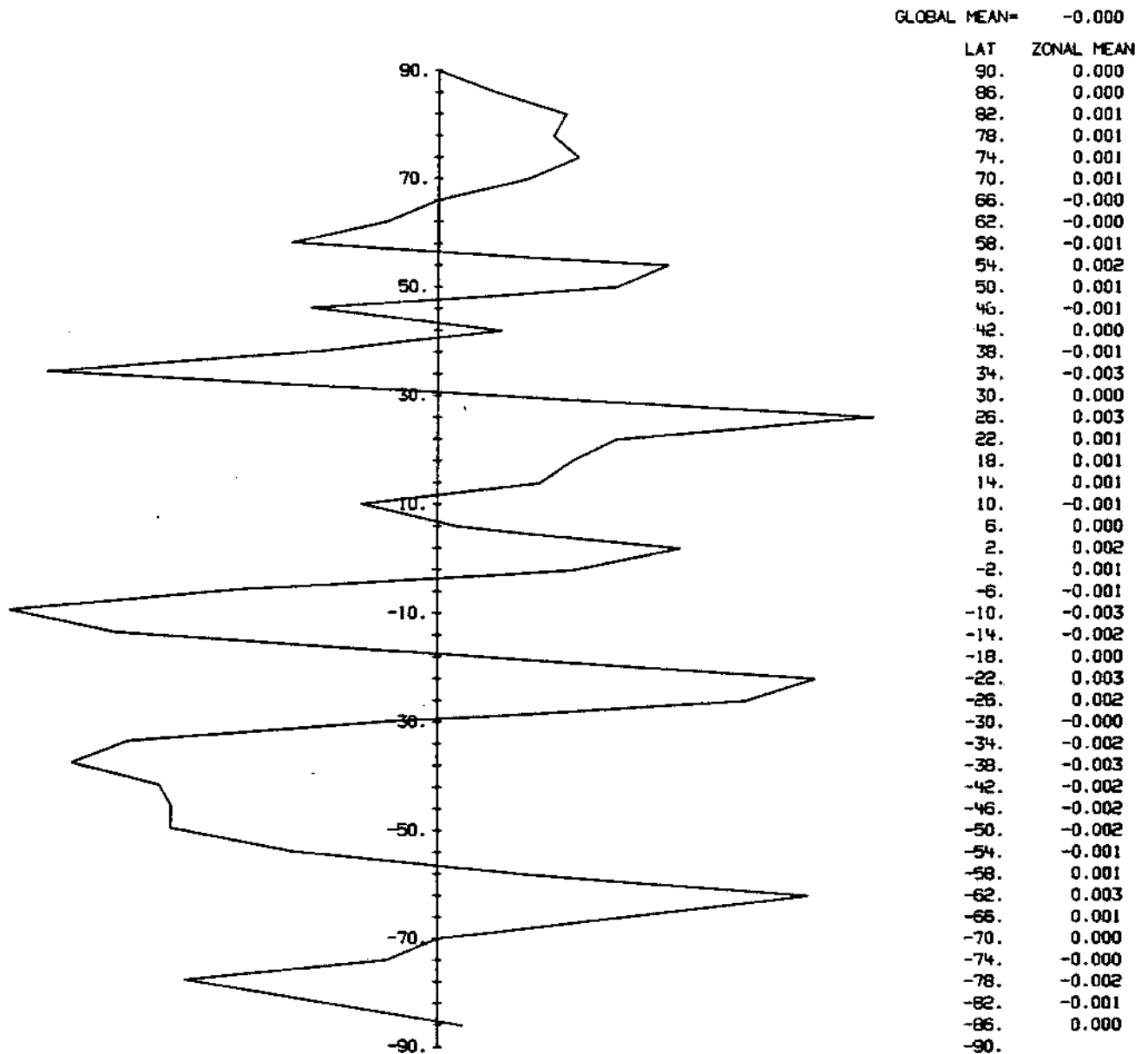


Fig. 4.18--April zonally averaged mean meridional geostrophic wind at 800 mb in  $\text{m sec}^{-1}$ , as found from the data of Fig. 3.18. Variations in the curve reflect only round-off error in the averaging process and should be identically ZERO.

GLOBAL MEAN*	-27.797
LAT	ZONAL MEAN
90.	-45.200
86.	-45.082
82.	-44.768
78.	-44.298
74.	-43.672
70.	-42.850
66.	-41.916
62.	-40.933
58.	-39.764
54.	-38.352
50.	-36.719
46.	-34.866
42.	-32.811
38.	-30.507
34.	-28.039
30.	-25.628
26.	-23.543
22.	-21.745
18.	-20.224
14.	-19.014
10.	-18.192
6.	-17.937
2.	-17.924
-2.	-17.978
-6.	-18.141
-10.	-18.454
-14.	-19.047
-18.	-19.983
-22.	-21.323
-26.	-23.058
-30.	-25.107
-34.	-27.216
-38.	-29.204
-42.	-31.126
-46.	-33.061
-50.	-35.115
-54.	-37.125
-58.	-39.069
-62.	-40.955
-66.	-42.843
-70.	-44.844
-74.	-46.887
-78.	-48.618
-82.	-49.757
-86.	-50.266
-90.	-50.350

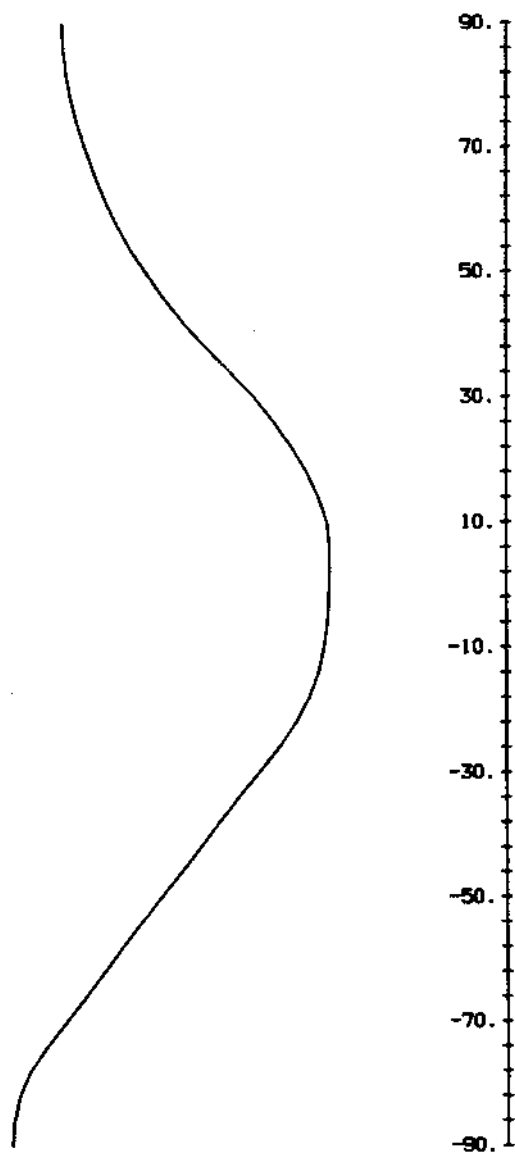


Fig. 4.19--April zonally averaged mean temperature at 400 mb ,  
in deg C, as found from the data of Fig. 3.19.

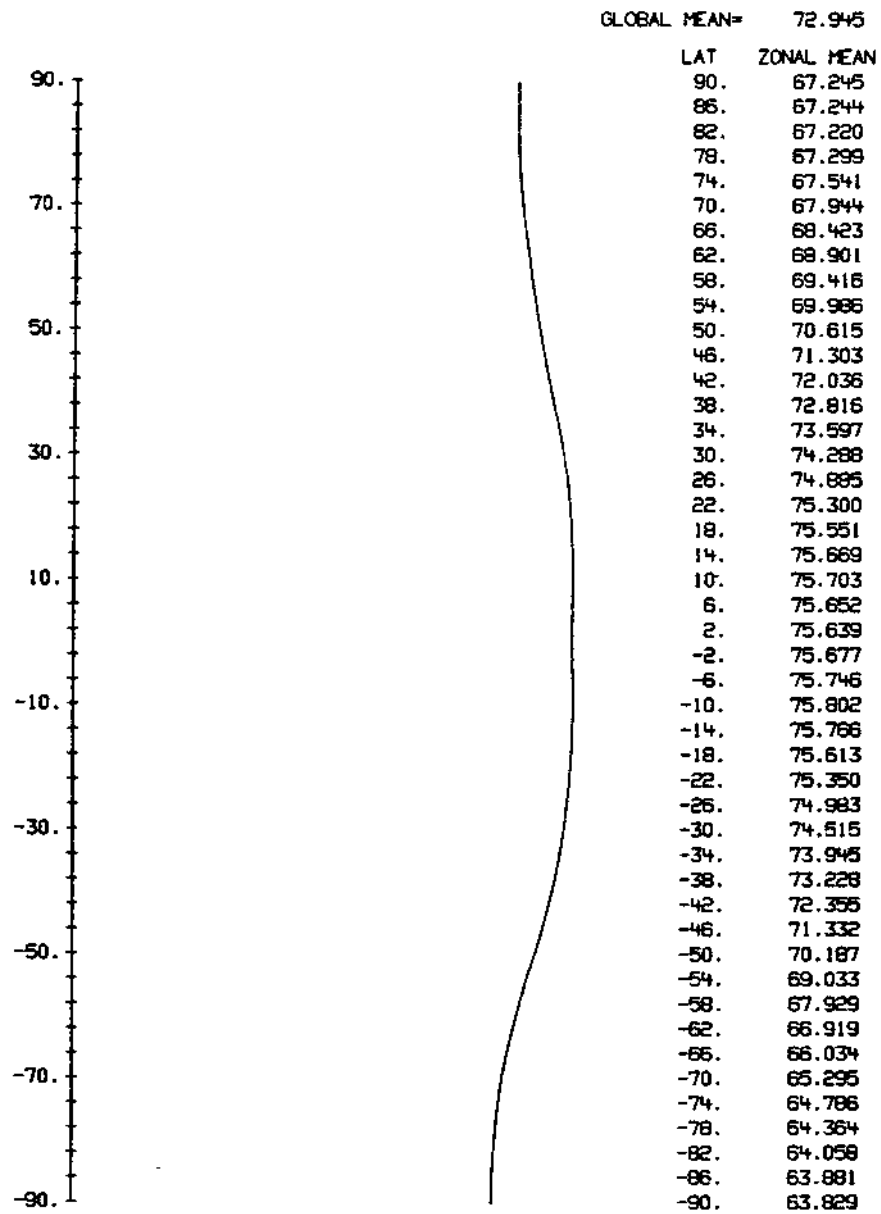


Fig. 4.20--April zonally averaged mean geopotential height at 400 mb in  $10^2$  m, as found from the data of Fig. 3.20.

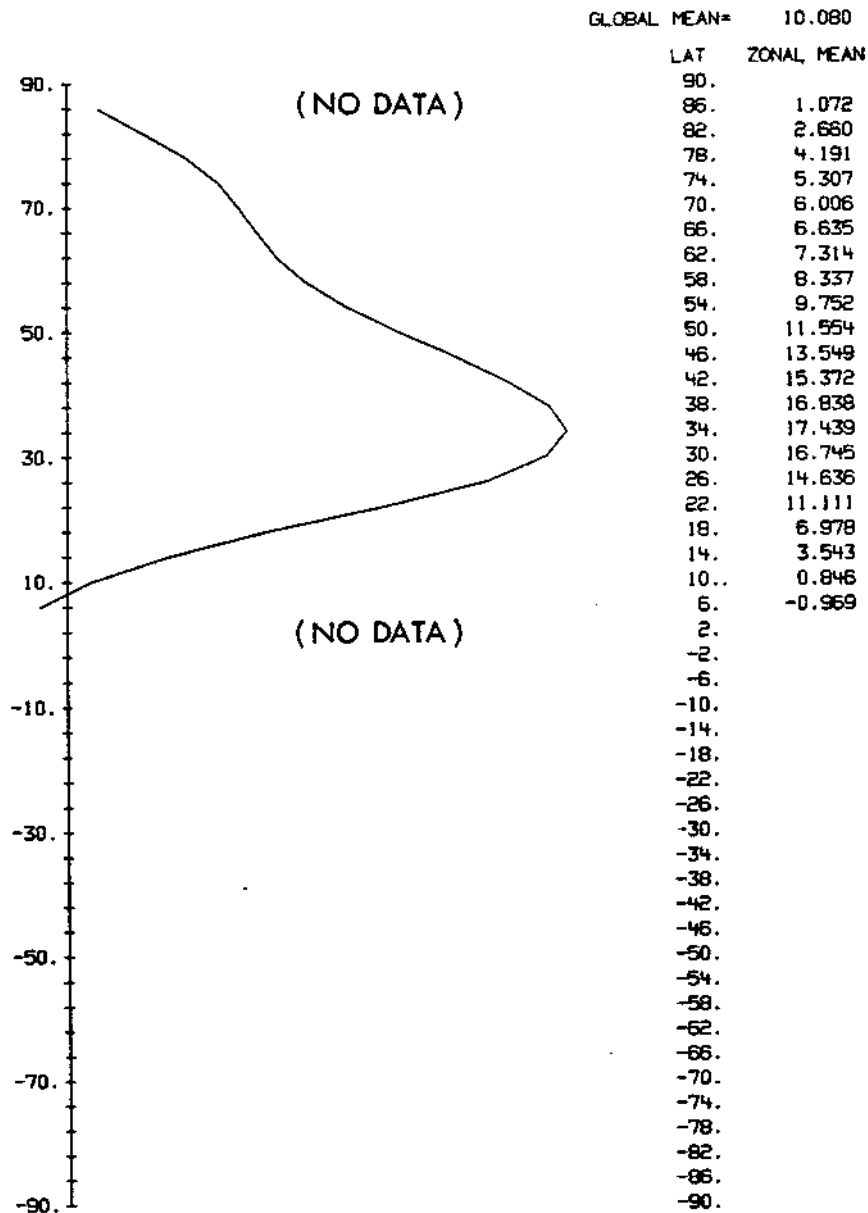


Fig. 4.21--March-April-May zonally averaged mean zonal wind at 400 mb (northern hemisphere only) in  $\text{m sec}^{-1}$ , as found from the data of Fig. 3.21. A positive value denotes wind *toward* the east. The value for  $90^\circ\text{S}$  is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

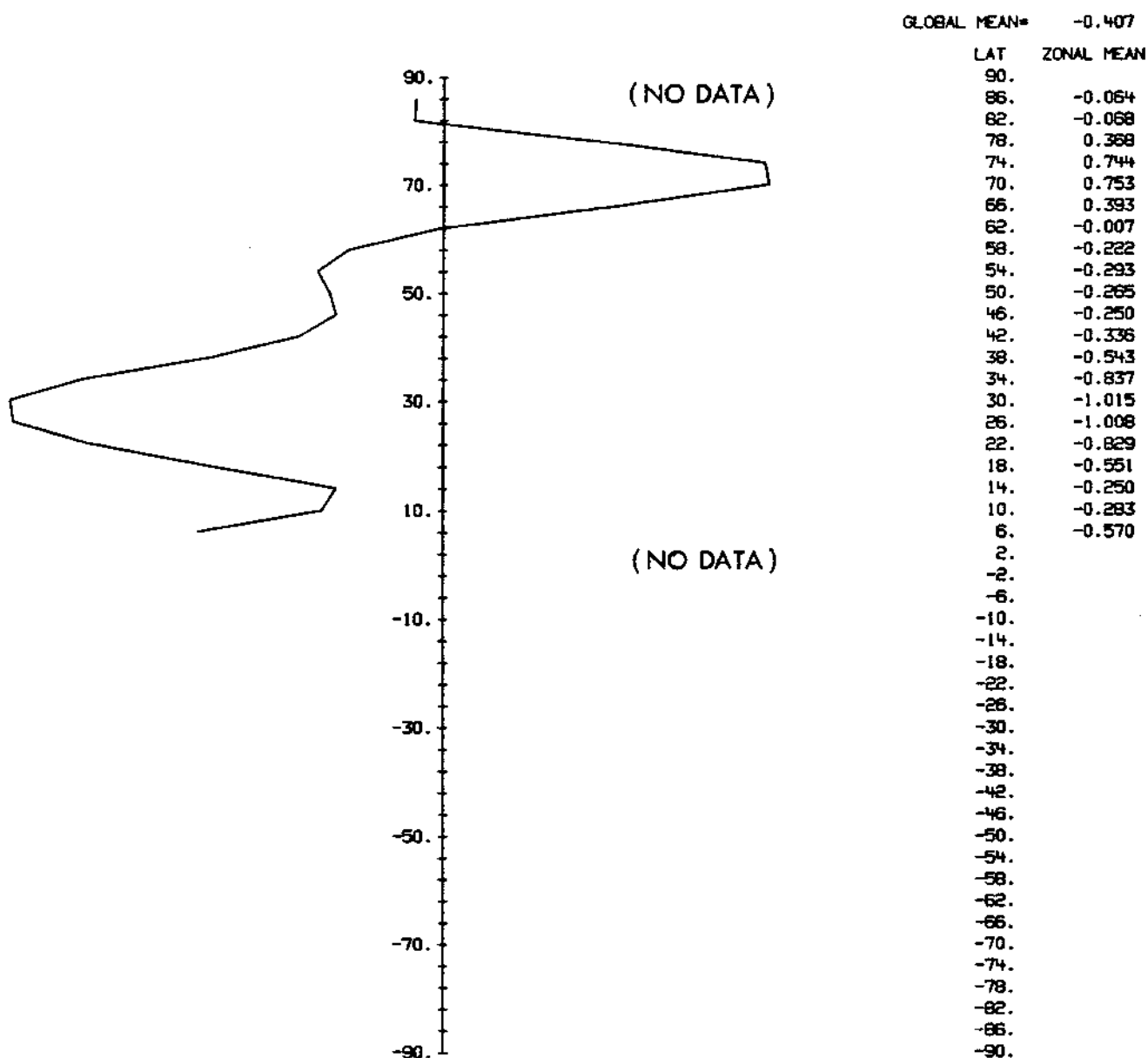


Fig. 4.22—March-April-May zonally averaged mean meridional wind at 400 mb (northern hemisphere only) in  $\text{m sec}^{-1}$ , as found from the data of Fig. 3.22. A positive value denotes wind *toward* the north. The value for  $90^\circ\text{S}$  is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

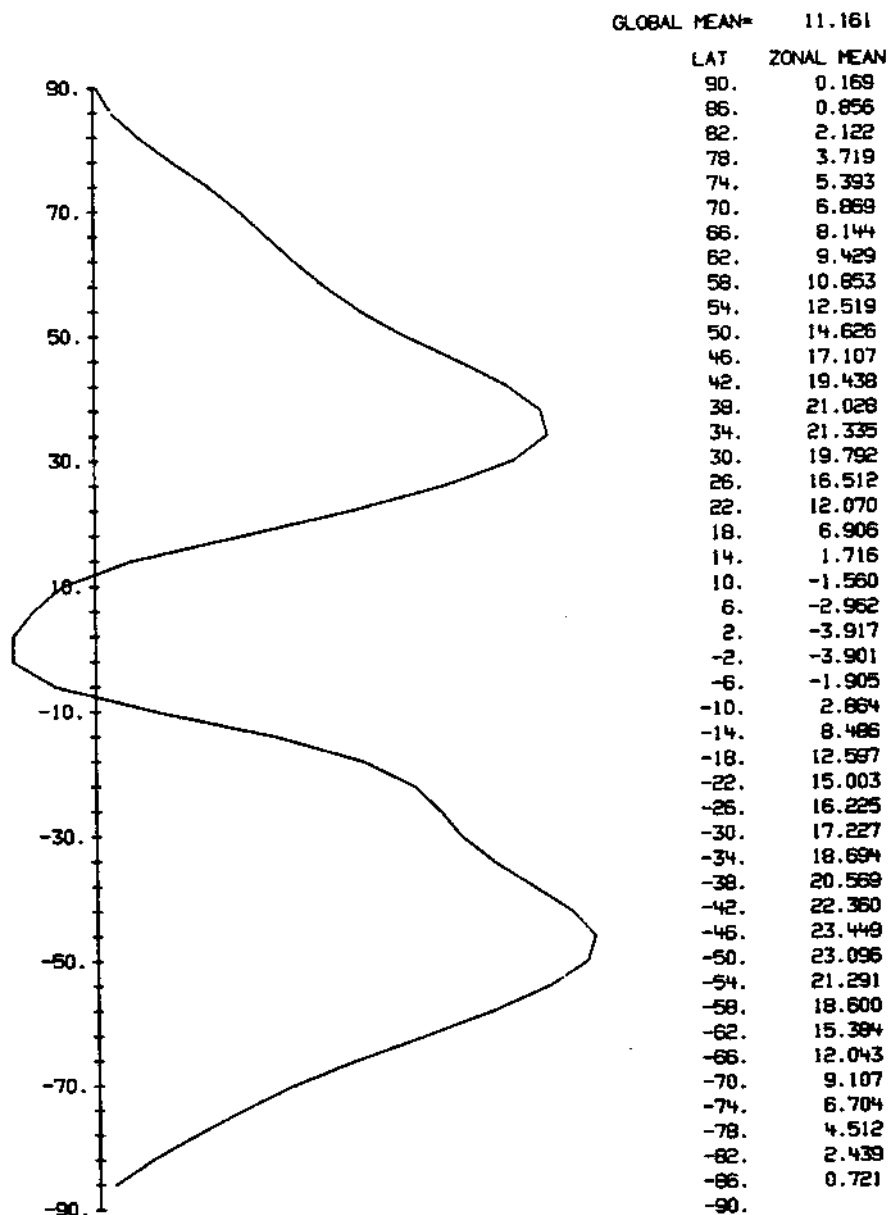


Fig. 4.23--April zonally averaged mean zonal geostrophic wind at 400 mb in  $\text{m sec}^{-1}$ , as found from the data of Fig. 3.23. A positive value denotes wind *toward* the east. The value at  $90^\circ\text{S}$  is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

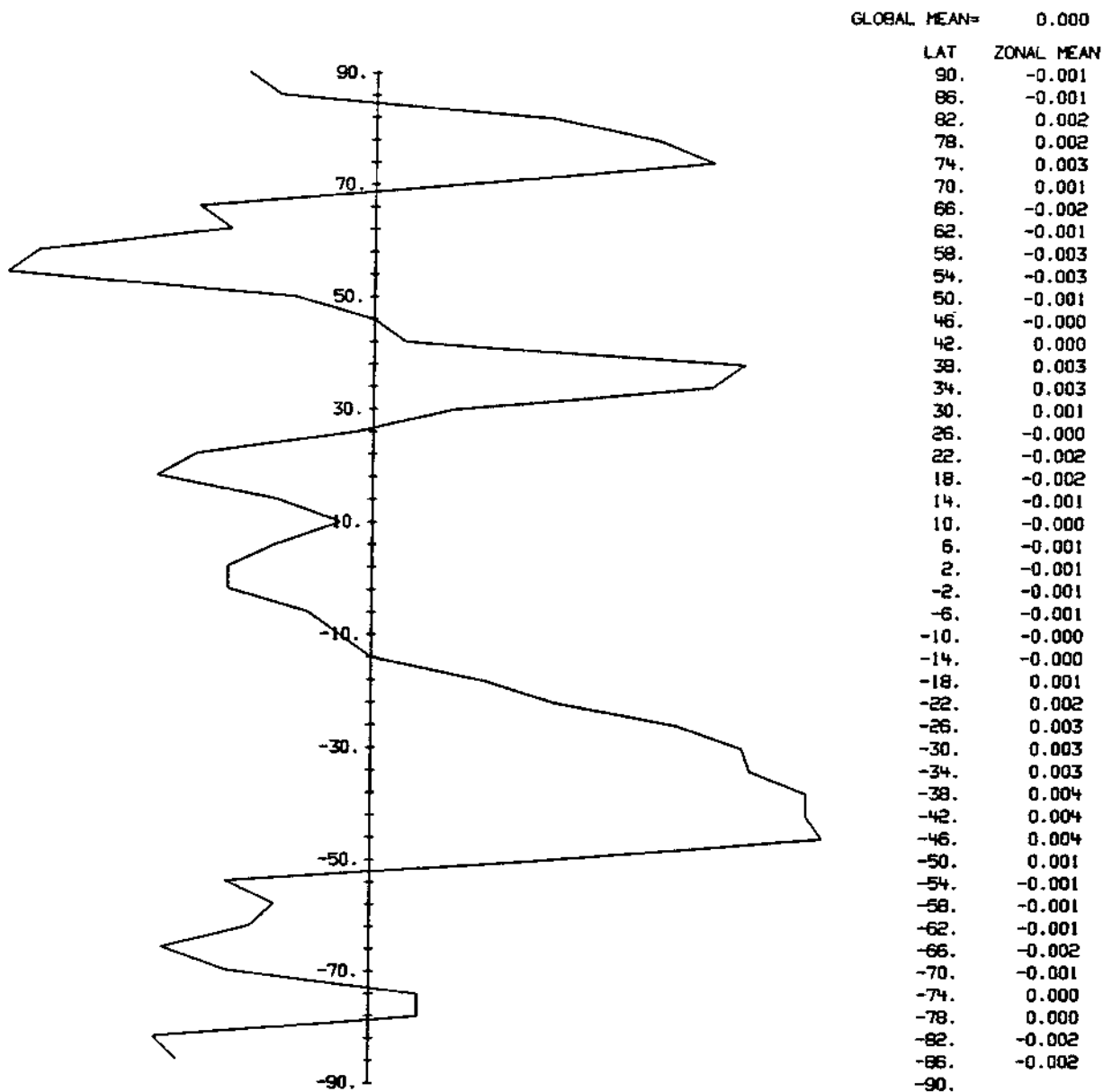


Fig. 4.24--April zonally averaged mean meridional geostrophic wind at 400 mb in  $\text{m sec}^{-1}$ , as found from the data of Fig. 3.24. Variations in the curve reflect only round-off error in the averaging process and should be identically ZERO.



5. GLOBAL DATA TABULATIONS



Table 5.1--Continued

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30E	25E	20W	15W	10W	5W
90N	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0
86N	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1021.6	1021.6	1021.6	1021.6
82N	1022.5	1022.2	1022.2	1022.2	1021.9	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.4	1021.4	1020.5	1019.9
78N	1021.9	1021.4	1021.4	1021.0	1020.5	1020.0	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1020.0	1020.0	1019.6	1018.9	1017.9	1016.7
74N	1020.9	1020.4	1020.3	1019.3	1018.8	1018.3	1017.7	1017.6	1017.5	1017.4	1017.4	1017.5	1018.0	1018.0	1017.2	1015.8	1014.7	1013.4
70N	1020.5	1020.0	1019.5	1018.5	1018.0	1017.5	1016.5	1016.0	1015.5	1015.0	1015.0	1015.5	1016.0	1016.0	1016.0	1013.0	1011.5	1011.0
66N	1020.1	1019.6	1018.7	1018.1	1017.2	1016.7	1015.7	1014.4	1013.5	1012.6	1012.6	1012.7	1012.7	1012.4	1011.6	1010.2	1009.5	1009.4
62N	1019.1	1018.9	1018.2	1017.4	1016.7	1016.2	1015.6	1013.4	1012.1	1010.5	1009.4	1009.3	1009.1	1009.1	1009.6	1009.8	1010.2	1010.2
58N	1018.1	1017.9	1017.6	1016.6	1016.2	1015.2	1014.4	1012.4	1010.9	1008.9	1008.0	1007.7	1007.9	1008.7	1010.2	1011.2	1012.6	1012.6
54N	1017.3	1016.9	1016.8	1015.8	1015.2	1013.8	1012.4	1011.5	1010.2	1008.5	1008.5	1008.6	1009.2	1011.2	1012.8	1013.7	1015.4	1015.3
50N	1016.5	1016.5	1016.0	1015.0	1014.0	1013.0	1012.0	1011.5	1011.0	1010.5	1010.5	1011.0	1012.0	1014.0	1016.0	1016.5	1017.0	1016.5
46N	1015.7	1015.7	1015.6	1014.6	1014.0	1013.8	1013.6	1013.1	1012.6	1012.5	1012.5	1013.4	1014.8	1016.0	1018.0	1018.1	1017.8	1016.9
42N	1015.2	1015.8	1015.8	1015.1	1014.9	1015.2	1015.2	1015.2	1015.1	1015.1	1015.4	1016.4	1017.9	1018.6	1019.4	1019.4	1017.1	1016.1
38N	1015.2	1016.2	1016.4	1016.1	1016.3	1016.8	1017.0	1017.2	1017.9	1017.9	1018.4	1019.0	1019.9	1020.2	1020.5	1020.0	1016.9	1015.5
34N	1015.5	1016.5	1017.0	1017.2	1017.7	1018.3	1018.9	1019.3	1020.1	1020.1	1020.5	1020.5	1020.5	1020.5	1020.4	1019.8	1017.2	1015.1
30N	1015.5	1016.5	1017.0	1018.0	1018.5	1019.5	1020.5	1020.5	1020.5	1020.5	1020.5	1020.5	1020.5	1020.5	1020.0	1019.0	1016.0	1013.5
26N	1015.1	1016.1	1016.6	1017.2	1018.1	1019.5	1020.5	1020.5	1020.5	1020.5	1020.5	1020.5	1020.5	1020.1	1018.4	1016.6	1014.0	1010.7
22N	1014.1	1014.8	1015.6	1016.1	1017.1	1018.0	1019.0	1019.6	1020.2	1020.2	1020.2	1019.9	1019.3	1017.9	1016.2	1013.9	1011.1	1008.5
18N	1012.5	1013.2	1013.8	1014.3	1015.1	1015.8	1017.0	1017.6	1018.4	1018.6	1018.6	1018.1	1017.3	1015.5	1013.8	1011.5	1008.7	1007.5
14N	1010.7	1011.5	1011.5	1012.0	1012.9	1013.8	1015.1	1015.1	1015.6	1016.0	1015.9	1015.4	1014.9	1013.5	1011.8	1009.9	1007.5	1007.5
10N	1009.5	1009.5	1009.5	1010.0	1012.5	1013.0	1013.5	1013.5	1014.0	1014.0	1013.5	1013.0	1012.5	1011.5	1011.0	1009.5	1007.5	1007.5
6N	1009.1	1009.1	1009.5	1010.8	1013.3	1012.6	1012.3	1011.9	1012.0	1012.0	1011.9	1011.8	1011.7	1011.5	1011.0	1010.3	1009.5	1009.1
2N	1009.9	1009.9	1010.1	1011.0	1012.3	1011.9	1011.4	1011.2	1010.9	1010.9	1010.9	1010.9	1011.2	1011.2	1011.0	1010.8	1010.3	1010.1
25	1011.1	1010.9	1010.9	1010.8	1010.9	1011.1	1010.8	1010.8	1010.3	1010.3	1010.5	1010.9	1011.4	1011.4	1011.4	1011.2	1010.9	1010.9
65	1012.4	1012.0	1012.0	1010.6	1009.9	1010.2	1010.2	1010.2	1009.9	1010.1	1010.7	1011.8	1012.2	1012.3	1012.3	1011.9	1011.8	1011.7
105	1014.0	1014.0	1014.0	1011.0	1009.5	1009.0	1009.0	1009.0	1009.5	1010.5	1011.5	1013.0	1013.0	1013.5	1013.5	1013.5	1013.0	1012.5
145	1015.6	1015.6	1015.2	1013.8	1010.7	1009.8	1009.8	1009.8	1010.7	1011.3	1012.7	1014.2	1014.6	1014.7	1015.1	1015.1	1014.6	1014.1
185	1016.9	1016.9	1016.4	1015.4	1012.8	1010.9	1010.6	1010.9	1011.6	1012.4	1013.9	1015.1	1015.9	1016.2	1016.4	1016.7	1016.2	1015.7
225	1017.9	1017.9	1017.4	1016.2	1014.2	1011.9	1011.8	1012.1	1012.8	1013.8	1015.3	1016.1	1016.9	1017.4	1017.6	1018.1	1017.8	1017.3
265	1018.6	1018.6	1018.1	1016.6	1014.4	1012.7	1013.3	1013.4	1014.4	1015.3	1016.6	1017.1	1017.7	1018.1	1018.7	1019.2	1019.3	1018.8
305	1019.0	1019.0	1018.5	1017.0	1014.0	1013.5	1014.5	1015.0	1016.0	1016.5	1017.0	1017.5	1018.5	1018.5	1019.5	1020.0	1020.5	1020.0
345	1019.6	1018.6	1018.5	1017.4	1014.4	1014.4	1014.7	1015.7	1016.2	1016.4	1016.5	1016.6	1016.7	1017.3	1017.7	1018.3	1018.4	1018.4
385	1017.3	1017.6	1017.6	1016.9	1014.8	1014.4	1014.8	1014.7	1014.7	1015.0	1015.0	1015.0	1015.2	1015.4	1015.9	1015.9	1015.9	1015.9
425	1014.7	1015.4	1015.4	1015.1	1013.6	1012.4	1012.2	1011.9	1011.9	1012.0	1012.0	1012.0	1012.0	1011.8	1011.9	1011.9	1011.9	1011.7
465	1010.8	1011.7	1011.7	1011.6	1010.2	1008.8	1008.3	1008.2	1008.2	1007.7	1007.7	1007.7	1007.6	1007.1	1006.6	1006.4	1006.3	1005.8
505	1006.0	1006.5	1006.5	1006.0	1005.0	1004.0	1003.5	1003.0	1003.0	1002.5	1002.5	1002.5	1002.0	1001.5	1001.0	1000.0	999.5	999.0
545	1000.0	1000.5	1000.5	1001.2	1001.0	1000.0	999.5	998.6	998.2	997.7	996.5	996.1	995.6	994.7	994.2	993.2	992.7	992.6
585	994.3	994.8	995.1	995.8	995.8	995.4	995.5	994.8	994.0	993.5	992.0	990.9	990.1	989.3	988.3	987.6	987.1	986.8
625	909.1	989.4	989.7	990.4	990.8	991.2	991.7	991.4	990.4	989.7	988.2	986.7	985.9	984.9	983.9	983.4	983.1	983.0
665	985.8	985.8	985.8	986.6	987.6	988.5	988.9	988.7	988.7	988.7	988.5	988.0	983.6	982.8	982.1	981.9	982.0	982.6
705	987.0	987.0	987.0	987.0	988.0	988.5	988.5	988.5	988.5	988.5	988.5	984.0	984.0	984.0	984.5	985.5	986.0	987.0
745	991.4	991.4	991.4	991.2	990.5	989.7	988.7	988.7	987.7	987.5	987.3	987.2	987.6	988.4	989.3	990.3	991.2	991.8
785	993.7	993.7	993.7	993.2	992.2	991.5	990.8	990.1	990.1	990.1	990.1	990.1	990.6	991.3	992.0	993.0	994.2	994.2
825	994.3	994.5	994.5	994.4	994.0	993.7	993.4	993.1	993.1	993.1	993.1	993.3	993.6	993.9	994.4	995.0	995.5	996.0
865	994.6	995.0	995.0	995.4	995.8	995.8	995.6	995.8	995.8	995.8	995.8	996.2	996.2	996.2	996.6	996.6	997.0	997.4
905	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0

Table 5.1--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0
86N	1021.6	1021.2	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.0	1019.6	1019.6	1018.4	1018.4	1018.4	1018.6	1018.8
82N	1019.6	1018.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.6	1017.9	1017.7	1017.1	1017.4	1017.4	1017.6	1017.6
78N	1016.0	1015.0	1014.4	1014.2	1014.2	1014.2	1014.4	1014.4	1014.4	1014.4	1015.3	1015.5	1015.5	1015.5	1015.8	1015.8	1015.8	1015.8
74N	1012.5	1011.6	1011.6	1011.2	1011.2	1011.3	1011.4	1011.8	1011.9	1012.3	1013.2	1013.7	1013.9	1014.0	1014.1	1014.3	1014.4	1014.4
70N	1010.5	1010.0	1010.0	1010.0	1010.0	1010.5	1011.0	1011.0	1011.5	1011.5	1012.0	1012.5	1013.5	1014.0	1014.5	1015.5	1016.0	1016.0
66N	1009.7	1010.4	1011.6	1011.2	1010.8	1010.9	1011.4	1011.4	1011.9	1012.3	1013.2	1014.1	1015.5	1016.0	1016.5	1016.7	1016.0	1016.0
62N	1010.7	1011.4	1012.3	1011.8	1011.6	1011.9	1012.7	1013.0	1013.2	1014.3	1015.0	1015.7	1016.9	1017.4	1017.3	1017.0	1016.6	1016.7
58N	1012.5	1012.8	1012.9	1012.8	1013.4	1013.7	1014.5	1015.0	1015.0	1015.9	1016.8	1017.1	1018.1	1018.4	1018.3	1018.2	1018.4	1018.7
54N	1014.4	1014.3	1013.8	1014.3	1015.6	1015.6	1016.0	1016.5	1016.5	1016.6	1018.0	1019.3	1019.1	1019.3	1019.8	1020.2	1020.6	1020.6
50N	1016.0	1015.5	1015.0	1015.5	1016.0	1016.0	1016.0	1016.5	1016.5	1017.5	1018.0	1019.0	1019.5	1019.5	1021.0	1021.0	1021.0	1021.0
46N	1016.4	1015.9	1015.0	1015.1	1015.2	1015.2	1015.2	1015.3	1016.1	1016.7	1017.2	1018.2	1018.7	1019.3	1019.4	1019.8	1020.2	1020.2
42N	1015.3	1014.8	1014.4	1014.4	1014.4	1014.4	1014.4	1014.4	1015.1	1015.9	1016.7	1017.1	1017.3	1017.5	1017.2	1017.4	1017.6	1017.6
38N	1014.1	1014.0	1014.0	1013.8	1013.8	1013.8	1013.8	1013.6	1013.7	1014.3	1014.9	1015.9	1016.7	1017.0	1017.5	1017.6	1017.6	1017.6
34N	1013.1	1013.4	1013.6	1014.0	1013.9	1013.9	1013.5	1013.6	1013.7	1014.2	1014.1	1014.2	1014.1	1014.5	1013.8	1013.6	1013.8	1013.8
30N	1011.5	1011.0	1012.0	1014.0	1015.5	1015.5	1013.5	1012.0	1010.5	1010.5	1011.0	1010.5	1009.5	1008.0	1007.0	1005.5	1005.1	1005.7
26N	1008.7	1008.6	1010.4	1012.8	1015.9	1015.5	1011.9	1009.6	1008.9	1009.7	1011.0	1010.5	1009.5	1008.0	1007.4	1005.9	1005.1	1005.7
22N	1007.7	1007.7	1008.8	1011.6	1013.9	1013.7	1010.6	1006.9	1007.3	1009.2	1010.7	1010.5	1009.8	1008.9	1008.1	1006.6	1005.3	1006.7
18N	1007.5	1007.5	1007.8	1009.6	1010.7	1010.5	1008.6	1004.7	1006.3	1009.4	1010.7	1010.5	1010.2	1009.7	1008.7	1007.4	1006.3	1007.9
14N	1007.6	1007.7	1007.6	1007.5	1007.8	1007.3	1006.3	1003.6	1006.4	1010.0	1010.9	1010.5	1010.5	1010.0	1009.1	1008.1	1007.7	1008.5
10N	1008.0	1008.5	1008.0	1007.5	1007.0	1006.5	1005.5	1004.0	1008.0	1010.0	1010.5	1010.5	1010.5	1010.5	1009.5	1008.5	1008.5	1008.5
6N	1009.6	1009.7	1009.2	1008.3	1007.4	1006.9	1006.7	1005.6	1008.8	1010.4	1010.5	1010.5	1010.5	1010.0	1009.5	1008.9	1008.9	1008.9
2N	1010.3	1010.0	1009.5	1008.5	1007.8	1007.3	1007.3	1007.2	1009.6	1010.5	1010.5	1010.5	1010.2	1009.7	1009.5	1009.3	1009.3	1009.3
65	1011.6	1011.1	1010.6	1009.5	1008.5	1007.5	1007.8	1010.4	1010.4	1010.7	1010.5	1010.3	1009.8	1009.8	1009.5	1009.5	1009.5	1009.5
105	1012.0	1011.5	1011.0	1009.5	1008.5	1007.5	1009.0	1012.0	1012.5	1011.5	1011.5	1011.0	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5
145	1013.6	1014.7	1011.8	1009.9	1008.5	1008.3	1010.6	1013.6	1012.9	1011.9	1013.5	1012.2	1012.1	1011.7	1011.7	1011.7	1011.7	1011.7
185	1015.5	1014.5	1012.5	1010.3	1010.0	1010.0	1012.5	1014.6	1013.3	1012.6	1014.0	1014.0	1013.7	1013.5	1013.5	1013.5	1013.8	1013.8
225	1017.1	1016.1	1014.7	1013.0	1012.7	1013.0	1014.5	1015.6	1014.3	1013.6	1015.6	1015.6	1015.3	1015.3	1015.5	1015.5	1016.0	1016.2
265	1018.2	1017.3	1016.7	1014.9	1014.9	1014.7	1016.1	1016.8	1016.1	1015.6	1016.8	1016.9	1017.0	1017.1	1017.6	1017.6	1018.0	1018.4
305	1019.0	1018.5	1017.5	1016.5	1016.5	1016.5	1018.0	1018.0	1018.5	1018.0	1018.0	1018.5	1019.0	1019.5	1020.0	1020.0	1020.0	1020.0
345	1018.2	1017.7	1017.1	1016.5	1016.5	1016.7	1016.9	1017.6	1018.5	1018.8	1019.3	1019.8	1019.9	1020.0	1020.0	1020.0	1020.0	1020.0
385	1015.6	1015.4	1015.2	1014.7	1015.0	1015.2	1015.5	1016.6	1017.3	1017.8	1018.1	1018.3	1018.5	1018.2	1018.2	1018.2	1017.9	1017.6
425	1011.4	1011.4	1011.2	1010.9	1011.2	1011.2	1011.9	1013.2	1014.1	1014.6	1015.3	1015.3	1015.3	1015.0	1014.6	1014.4	1013.9	1013.4
465	1005.8	1005.8	1005.4	1005.4	1005.4	1005.4	1006.3	1007.2	1008.6	1009.2	1010.2	1010.2	1010.2	1010.2	1009.4	1008.9	1008.4	1008.0
505	999.0	999.0	999.0	999.0	999.0	999.0	999.5	1000.0	1001.0	1002.0	1003.0	1003.0	1003.0	1003.0	1002.5	1002.0	1002.0	1002.0
545	992.2	992.2	992.2	992.2	992.6	992.6	992.7	993.6	994.2	995.2	995.8	996.2	996.6	996.6	996.5	996.0	995.6	995.6
585	986.3	986.3	986.3	986.3	986.8	986.8	987.1	987.8	988.3	989.3	989.8	990.3	990.5	990.5	990.2	990.0	989.2	989.2
625	982.7	982.7	982.7	982.7	983.2	983.2	983.2	984.4	985.1	986.1	986.4	987.5	987.5	987.3	986.9	986.2	985.4	985.4
665	982.6	982.7	982.6	982.7	983.0	983.0	983.5	984.4	985.3	986.4	986.4	987.4	988.5	988.5	988.2	988.6	988.2	988.5
705	987.0	987.5	987.0	987.5	987.0	987.0	987.5	988.0	988.5	990.0	991.0	992.0	992.5	992.5	992.2	991.0	991.0	991.0
745	992.7	992.7	992.6	992.7	992.6	992.6	992.7	992.8	993.3	994.0	994.6	994.8	995.3	995.3	995.2	995.0	995.0	995.0
785	994.7	995.2	995.8	996.4	996.4	996.4	996.4	996.9	997.1	997.3	997.3	997.5	997.5	997.5	997.5	997.5	997.5	997.5
825	996.5	996.8	997.4	997.9	998.2	998.2	998.2	998.5	998.5	998.5	998.5	998.5	998.5	998.5	998.5	998.5	998.5	998.5
865	997.8	997.8	997.8	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2
905	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0

Table 5.1--Continued

Table 5.1—Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0
91N	1018.4	1018.4	1018.4	1018.4	1018.4	1018.0	1017.6	1017.2	1017.6	1018.0	1018.0	1018.0	1018.0	1018.0	1018.4	1018.4	1018.4	1018.8
92N	1017.1	1017.1	1016.8	1016.8	1016.5	1016.3	1016.1	1015.9	1016.1	1016.3	1016.3	1016.3	1016.6	1017.1	1017.4	1017.7	1018.0	1018.5
93N	1015.3	1015.3	1015.2	1015.1	1015.1	1015.0	1014.9	1014.9	1015.0	1015.3	1015.5	1015.7	1016.2	1016.7	1017.2	1017.7	1018.2	1018.7
94N	1014.0	1013.9	1014.3	1014.6	1014.6	1014.6	1014.9	1014.9	1015.0	1015.5	1015.6	1016.1	1016.6	1017.0	1017.4	1017.9	1018.4	1018.7
95N	1016.0	1015.5	1015.0	1015.0	1015.0	1015.0	1014.5	1014.5	1015.0	1015.5	1016.0	1016.5	1017.0	1017.0	1017.0	1017.5	1017.5	1017.5
96N	1015.6	1015.5	1015.4	1015.4	1015.0	1015.0	1014.1	1013.7	1013.8	1014.3	1014.8	1014.9	1015.4	1015.4	1015.4	1015.5	1015.5	1015.5
97N	1016.7	1016.7	1016.4	1016.1	1015.6	1015.3	1014.9	1014.3	1014.3	1014.3	1013.3	1013.2	1013.2	1013.2	1012.6	1012.0	1012.3	1012.9
98N	1018.5	1018.5	1018.0	1017.1	1016.4	1015.7	1015.7	1015.7	1016.7	1016.7	1016.7	1016.7	1016.8	1017.8	1017.8	1017.8	1017.8	1017.8
99N	1020.2	1020.2	1019.7	1018.3	1017.0	1016.0	1015.0	1014.0	1013.4	1011.5	1009.8	1008.2	1007.8	1007.5	1007.2	1007.6	1008.7	1010.0
100N	1021.0	1021.0	1020.5	1019.5	1017.0	1016.0	1015.0	1014.0	1013.0	1011.5	1009.0	1007.0	1007.0	1007.5	1008.0	1010.0	1011.5	1012.0
101N	1020.2	1020.2	1020.1	1018.7	1016.6	1015.6	1014.2	1013.6	1012.2	1011.1	1010.2	1009.8	1010.2	1011.1	1012.0	1013.2	1014.7	1015.2
102N	1017.6	1017.9	1018.2	1017.3	1015.9	1015.2	1014.6	1014.1	1013.4	1012.5	1012.5	1012.3	1013.1	1013.6	1014.8	1016.4	1017.9	1018.4
103N	1014.2	1014.9	1015.8	1015.7	1015.3	1015.0	1014.5	1013.9	1013.4	1012.9	1012.9	1013.2	1013.8	1014.3	1014.8	1015.1	1015.3	1015.3
104N	1010.8	1012.0	1013.5	1014.1	1014.6	1014.9	1016.0	1016.4	1015.5	1015.0	1015.1	1015.7	1017.2	1018.3	1019.7	1020.7	1021.5	1022.8
105N	1008.0	1010.0	1011.5	1012.5	1013.0	1014.5	1016.0	1016.0	1015.5	1015.0	1015.5	1016.5	1018.0	1019.5	1020.5	1021.5	1021.5	1022.0
106N	1007.6	1009.2	1010.3	1011.3	1012.6	1013.3	1014.4	1014.8	1014.7	1014.6	1015.1	1016.1	1017.2	1018.3	1018.9	1019.5	1019.5	1019.6
107N	1008.7	1009.9	1008.5	1009.2	1011.6	1012.4	1013.4	1013.9	1013.9	1013.9	1014.8	1015.8	1016.5	1017.0	1017.5	1017.5	1017.5	1017.5
108N	1009.5	1010.5	1008.1	1008.4	1010.8	1011.6	1012.4	1013.1	1013.1	1012.1	1011.7	1011.6	1011.7	1011.7	1012.1	1012.6	1013.0	1013.1
109N	1010.5	1010.4	1010.0	1009.5	1010.0	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1011.0	1011.0	1011.0	1011.5
110N	1009.5	1010.0	1010.0	1009.0	1009.5	1009.5	1009.0	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.9
111N	1009.1	1009.2	1009.2	1008.6	1008.7	1009.2	1009.7	1009.7	1009.3	1008.9	1008.4	1008.5	1008.9	1009.7	1009.7	1008.9	1008.9	1008.9
112N	1009.0	1009.0	1008.7	1008.5	1008.5	1008.5	1008.5	1008.5	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.3	1008.5
113N	1009.2	1009.2	1009.1	1008.7	1008.7	1008.7	1008.6	1009.1	1008.6	1008.7	1008.7	1008.7	1008.3	1007.8	1007.7	1007.7	1008.1	1008.5
114N	1009.7	1009.6	1009.1	1008.6	1008.6	1008.6	1008.6	1009.1	1008.6	1008.7	1008.7	1008.7	1008.3	1007.8	1007.7	1007.7	1008.1	1008.5
115N	1010.5	1010.0	1009.5	1009.5	1009.5	1009.0	1009.0	1009.5	1009.0	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1008.5	1008.5	1008.5
116N	1011.7	1011.6	1011.1	1010.7	1009.9	1009.4	1009.4	1009.9	1010.2	1010.7	1011.1	1011.1	1011.1	1011.1	1010.6	1010.7	1009.7	1009.7
117N	1013.8	1013.8	1013.3	1012.8	1011.8	1010.7	1010.7	1011.5	1012.3	1012.8	1013.0	1013.0	1013.0	1012.2	1011.4	1010.9	1010.7	1010.9
118N	1016.2	1016.2	1015.9	1015.4	1014.2	1012.7	1013.1	1013.9	1014.7	1015.2	1015.2	1015.2	1015.2	1014.2	1012.8	1012.3	1012.1	1012.1
119N	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4
120N	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0
121N	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4
122N	1017.1	1017.1	1016.8	1016.8	1016.5	1016.3	1016.1	1015.9	1016.1	1016.3	1016.3	1016.3	1016.6	1017.1	1017.4	1017.7	1018.0	1018.5
123N	1015.3	1015.3	1015.2	1015.1	1015.1	1015.0	1014.9	1014.9	1015.0	1015.3	1015.5	1015.7	1016.2	1016.7	1017.2	1017.7	1018.2	1018.7
124N	1014.0	1013.9	1014.3	1014.6	1014.6	1014.6	1014.9	1014.9	1015.0	1015.5	1015.6	1016.1	1016.6	1017.0	1017.4	1017.9	1018.4	1018.7
125N	1016.0	1015.5	1015.0	1015.0	1015.0	1015.0	1014.5	1014.5	1015.0	1015.5	1016.0	1016.5	1017.0	1017.0	1017.0	1017.5	1017.5	1017.5
126N	1015.6	1015.5	1015.4	1015.4	1015.0	1015.0	1014.1	1013.7	1013.8	1014.3	1014.8	1014.9	1015.4	1015.4	1015.4	1015.5	1015.5	1015.5
127N	1016.7	1016.7	1016.4	1016.1	1015.6	1015.3	1014.9	1014.3	1014.3	1014.3	1013.3	1013.2	1013.2	1013.2	1012.6	1012.0	1012.3	1012.9
128N	1018.5	1018.5	1018.0	1017.1	1016.4	1015.7	1015.7	1015.7	1016.7	1016.7	1016.7	1016.7	1016.8	1017.8	1017.8	1017.8	1017.8	1017.8
129N	1020.2	1020.2	1019.7	1018.3	1017.0	1016.0	1015.0	1014.0	1013.4	1011.5	1009.8	1008.2	1007.8	1007.5	1007.2	1007.6	1008.7	1010.0
130N	1021.0	1021.0	1020.5	1019.5	1017.0	1016.0	1015.0	1014.0	1013.0	1011.5	1009.0	1007.0	1007.0	1007.5	1008.0	1010.0	1011.5	1012.0
131N	1020.2	1020.2	1020.1	1018.7	1016.6	1015.6	1014.2	1013.6	1012.2	1011.1	1010.2	1009.8	1010.2	1011.1	1012.0	1013.2	1014.7	1015.2
132N	1017.6	1017.9	1018.2	1017.3	1015.9	1015.2	1014.6	1014.1	1013.4	1012.5	1012.5	1012.3	1013.1	1013.6	1014.8	1016.4	1017.9	1018.4
133N	1014.2	1014.9	1015.8	1015.7	1015.3	1015.0	1014.5	1013.9	1013.4	1012.9	1012.9	1013.2	1013.8	1014.3	1014.8	1015.1	1015.3	1015.3
134N	1010.8	1012.0	1013.5	1014.1	1014.6	1014.9	1016.0	1016.4	1015.5	1015.0	1015.1	1015.7	1017.2	1018.3	1019.7	1020.7	1021.5	1022.8
135N	1008.0	1010.0	1011.5	1012.5	1013.0	1014.5	1016.0	1016.0	1015.5	1015.0	1015.5	1016.5	1018.0	1019.5	1020.5	1021.5	1021.5	1022.0
136N	1007.6	1009.2	1010.3	1011.3	1012.6	1013.3	1014.4	1014.8	1014.7	1014.6	1015.1	1016.1	1017.2	1018.3	1018.9	1019.5	1019.5	1019.6
137N	1008.7	1009.9	1008.5	1009.2	1011.6	1012.4	1013.4	1013.9	1013.9	1013.9	1014.8	1015.8	1016.5	1017.0	1017.5	1017.5	1017.5	1017.5
138N	1009.5	1010.5	1008.1	1008.4	1010.8	1011.6	1012.4	1013.1	1013.1	1012.1	1011.7	1011.6	1011.7	1011.7	1012.1	1012.6	1013.0	1013.1
139N	1010.5	1010.4	1010.0	1009.5	1010.0	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1011.0	1011.0	1011.0	1011.5
140N	1009.5	1010.0	1010.0	1009.0	1009.5	1009.5	1009.0	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.9
141N	1009.1	1009.2	1009.2	1008.6	1008.7	1009.2	1009.7	1009.7	1009.3	1008.9	1008.4	1008.5	1008.9	1009.7	1009.7	1008.9	1008.9	1008.9
142N	1009.0	1009.0	1008.7	1008.5	1008.5	1008.5	1008.5	1008.5	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.3	1008.5
143N	1009.2	1009.2	1009.1	1008.7	1008.7	1008.7	1008.6	1009.1	1008.6	1008.7	1008.7	1008.7	1008.3	1007.8	1007.7	1007.7	1008.1	1008.5
144N	1009.7	1009.6	1009.1	1008.6	1008.6	1008.6	1008.6	1009.1	1008.6	1008.7	1008.7	1008.7	1008.3	1007.8	1007.7	1007.7	1008.1	1008.5
145N	1010.5	1010.0	1009.5	1009.5	1009.5	1009.0	1009.0	1009.5	1009.0	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1008.5	1008.5	1008.5
146N	1011.7	1011.6	1011.1	1010.7	1009.9	1009.4	1009.4	1009.9	1010.2	1010.7	1011.1	1011.1	1011.1	1011.1	1010.6	1010.7	1009.7	1009.7
147N	101																	

Table 5.2

APRIL SURFACE AIR TEMPERATURE (deg C)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50
86N	-26.22	-26.30	-26.30	-26.22	-26.22	-26.22	-26.22	-26.22	-26.22	-26.22	-26.14	-26.14	-26.14	-26.14	-26.14	-26.14	-26.06	-26.06
82N	-25.44	-25.54	-25.54	-25.32	-25.38	-25.38	-25.32	-25.32	-25.32	-25.38	-25.34	-25.40	-25.52	-25.52	-25.64	-25.64	-25.60	-25.66
78N	-23.52	-23.50	-23.28	-23.24	-23.22	-23.30	-23.28	-23.36	-23.44	-23.62	-23.74	-23.84	-24.16	-24.20	-24.36	-24.36	-24.18	-24.18
74N	-20.66	-20.42	-19.98	-20.14	-20.00	-20.36	-20.68	-20.70	-20.72	-20.84	-21.04	-21.32	-21.92	-22.32	-22.56	-22.64	-22.62	-22.24
70N	-16.90	-16.50	-15.90	-15.90	-16.00	-17.00	-18.20	-17.50	-16.80	-16.20	-16.00	-17.00	-18.00	-19.60	-20.40	-20.80	-21.00	-21.20
66N	-12.50	-11.22	-9.82	-8.38	-7.28	-6.52	-5.24	-4.46	-6.40	-8.04	-8.96	-9.16	-10.16	-11.92	-14.48	-16.96	-18.06	-18.24
62N	-7.02	-6.24	-5.36	-4.40	-3.24	-0.96	0.76	1.32	-0.08	-1.80	-3.06	-3.00	-3.88	-5.38	-7.54	-11.14	-13.04	-14.20
58N	-2.46	-2.28	-1.88	-1.40	-0.72	1.60	3.00	3.72	3.72	2.88	2.22	1.68	0.68	-0.38	-1.50	-4.62	-6.60	-8.92
54N	0.60	0.60	1.06	1.56	1.76	2.84	3.84	4.90	5.70	5.90	6.30	5.28	3.36	3.06	2.76	1.12	-0.28	-3.00
50N	3.00	3.00	3.70	3.80	4.00	4.30	4.80	5.30	5.70	6.70	7.50	8.40	4.00	5.30	5.40	4.40	3.40	2.22
46N	5.16	5.60	5.94	6.20	6.64	7.10	7.52	7.62	8.18	8.54	9.34	13.08	9.04	8.42	7.08	5.52	6.28	6.92
42N	8.82	9.00	9.56	9.74	10.00	10.26	10.42	10.48	10.78	10.86	11.30	11.76	9.52	7.22	9.18	7.06	8.62	10.26
38N	12.46	12.52	12.96	12.98	13.00	13.10	13.12	13.08	13.30	13.10	13.14	13.32	10.40	11.46	11.38	10.14	13.74	13.54
34N	15.60	15.60	15.72	15.60	15.48	15.52	15.46	15.22	15.48	15.00	14.68	14.60	13.00	19.50	14.00	14.78	15.88	17.04
30N	18.80	18.80	18.40	18.20	18.20	18.00	17.70	17.30	17.00	16.60	15.30	15.40	15.00	18.30	18.00	20.20	20.20	20.00
26N	21.60	21.52	21.32	21.12	21.00	20.72	20.34	19.94	19.24	18.52	17.88	16.84	16.28	17.50	22.48	18.14	22.68	23.60
22N	23.56	23.46	23.18	23.18	22.96	22.78	22.26	21.80	21.06	20.32	19.60	18.82	18.46	19.16	22.94	21.66	20.00	25.52
18N	25.12	24.90	24.74	24.58	24.36	24.22	23.74	23.32	22.82	22.24	21.64	21.06	21.26	22.00	23.74	25.18	22.00	27.00
14N	26.50	26.14	25.72	25.52	25.40	25.22	24.94	24.60	24.40	24.04	23.80	23.28	24.04	24.82	26.10	26.90	28.24	28.26
10N	27.70	27.50	27.00	26.40	26.20	26.10	25.90	25.40	25.20	25.00	25.00	25.20	25.80	26.50	28.10	28.50	28.00	28.50



Table 5.2--Continued

	90E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90W	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50
86W	-22.78	-22.70	-22.54	-22.38	-22.22	-21.90	-21.90	-21.90	-22.22	-22.54	-22.70	-22.70	-22.70	-23.18	-23.42	-23.50	-24.30	-24.38
82W	-17.36	-17.02	-16.04	-15.84	-15.76	-15.60	-15.60	-16.08	-16.78	-17.20	-18.02	-18.40	-18.52	-19.66	-20.14	-20.42	-21.48	-21.88
78W	-11.20	-10.54	-9.40	-9.12	-9.04	-9.20	-9.40	-10.08	-10.94	-12.12	-13.54	-14.40	-16.04	-17.06	-17.54	-17.50	-18.32	-19.56
74W	-5.56	-4.60	-4.04	-3.62	-3.62	-4.20	-4.60	-5.14	-5.94	-8.30	-10.50	-11.56	-14.74	-15.28	-15.74	-15.42	-16.14	-18.28
70W	0.0	0.20	0.60	0.80	0.30	-1.00	-1.00	-1.70	-2.50	-5.50	-7.60	-9.80	-10.60	-12.00	-13.30	-14.30	-16.30	-18.20
66W	3.52	3.64	3.32	1.12	0.06	-0.20	-0.36	-0.58	-0.98	-2.70	-3.52	-5.16	-6.12	-7.60	-8.50	-9.10	-9.90	-10.12
62W	5.24	5.04	4.18	2.42	2.10	1.80	1.42	1.14	0.84	0.40	0.20	-0.34	-1.04	-2.36	-2.98	-3.78	-4.16	-4.14
58W	6.56	5.80	5.22	4.66	4.34	3.96	3.30	2.94	2.84	2.92	2.80	2.70	2.32	1.36	0.94	0.30	0.12	0.06
54W	8.00	7.00	6.96	6.24	6.04	5.82	5.00	4.66	4.78	4.72	4.60	4.28	3.98	3.30	2.80	2.72	3.02	2.36
50W	9.20	9.40	8.40	8.00	7.80	7.50	7.00	6.50	6.30	6.40	7.00	7.00	6.30	5.30	4.00	4.00	5.50	7.20
46W	10.16	11.24	12.40	12.00	11.24	9.90	9.00	8.34	8.30	8.88	9.88	10.36	7.02	5.86	7.12	8.00	7.10	8.92
42W	13.16	13.38	13.64	14.08	13.78	12.30	11.30	9.10	7.24	10.04	11.62	12.88	11.82	11.82	11.74	10.80	12.72	14.08
38W	15.00	16.22	14.68	15.52	15.62	14.78	14.22	13.30	11.04	13.52	13.02	14.16	14.46	14.78	14.18	12.00	12.00	11.24
34W	16.56	19.50	17.24	17.38	17.48	17.46	17.48	17.84	18.20	19.08	15.76	15.56	14.44	14.80	16.40	15.28	7.36	4.80
30W	22.80	22.30	22.20	20.50	20.60	20.50	20.20	22.00	17.80	22.60	22.40	20.20	17.00	20.40	26.00	28.40	14.00	10.00
26W	21.12	22.46	23.80	21.38	23.00	22.98	23.32	25.36	19.16	22.12	25.12	23.56	25.88	25.04	29.36	29.92	27.04	26.24
22W	29.46	24.24	25.28	23.94	24.44	24.80	25.42	27.28	23.76	20.32	25.44	25.36	28.10	27.40	28.70	29.64	30.48	30.30
18W	31.22	28.16	28.12	27.90	27.88	25.92	27.10	29.00	25.96	17.52	25.52	26.40	27.82	28.16	27.94	29.08	30.44	29.90
14W	32.16	31.88	30.44	31.44	31.96	26.78	28.68	29.90	24.20	17.60	26.54	27.26	27.58	28.12	28.34	28.88	29.96	29.12
10W	30.40	30.20	27.00	31.20	31.00	28.30	30.20	27.50	21.00	28.00	28.70	28.30	28.30	28.20	28.50	28.80	29.00	28.40
6W	28.16	27.64	24.76	26.32	28.36	26.30	27.24	25.82	21.80	29.68	28.70	28.70	28.70	28.36	28.50	28.64	27.96	27.68
2W	27.24	26.70	25.34	25.34	26.86	26.04	21.88	21.08	26.80	29.62	28.70	28.68	28.68	28.46	28.44	28.48	28.12	27.92
25	27.04	26.78	26.54	25.74	26.38	25.84	20.24	19.48	29.32	29.02	28.54	28.52	28.52	28.54	28.44	28.44	28.44	28.32
65	26.88	26.98	27.00	25.52	25.54	24.60	22.12	21.04	28.16	28.48	28.20	28.30	28.30	28.48	28.40	28.40	28.40	28.38
105	26.00	26.10	26.20	23.20	21.70	21.80	21.00	19.60	27.60	28.00	27.80	27.90	27.90	28.00	28.00	28.00	28.00	27.90
145	24.08	23.78	23.80	20.32	21.62	21.96	20.52	20.72	26.64	27.44	25.08	27.26	27.34	27.36	27.28	27.20	27.12	26.94
185	22.82	22.00	21.22	20.44	21.66	21.88	19.92	23.04	26.64	25.44	25.18	26.62	26.60	26.54	26.38	26.16	26.06	25.80
225	21.90	21.00	19.94	19.72	21.14	21.20	17.32	24.52	26.20	23.88	25.30	25.62	25.56	25.42	25.26	24.96	24.66	24.36
265	21.00	20.46	19.82	17.60	19.86	19.38	15.00	24.44	24.92	23.32	24.28	24.14	24.08	23.88	23.76	23.42	22.90	22.58
305	19.80	19.50	19.10	16.80	18.10	15.70	19.40	23.40	23.40	23.00	22.60	22.30	22.00	21.80	21.60	21.10	20.90	20.50
345	17.56	17.42	17.34	17.92	17.94	18.02	20.28	21.08	20.76	20.04	19.72	19.50	19.36	19.32	19.12	18.78	18.50	18.18
385	14.90	14.80	16.12	15.92	16.40	17.04	17.74	17.32	16.86	16.12	16.06	16.04	16.12	16.12	16.04	15.86	15.68	15.50
425	11.70	11.64	12.96	12.24	12.84	13.20	13.10	12.56	12.10	11.56	11.66	11.92	12.20	12.28	12.32	12.30	12.24	12.10
465	8.04	8.06	8.08	8.06	8.06	8.04	7.94	7.68	7.36	7.10	7.16	7.62	8.00	8.18	8.32	8.42	8.44	8.30
505	4.20	4.30	4.40	4.30	4.30	4.20	4.10	4.00	4.00	3.90	3.90	4.10	4.40	4.50	4.80	4.90	5.00	5.10
545	1.24	1.26	1.28	1.16	1.18	1.32	1.38	1.36	1.44	1.50	1.58	1.62	1.68	1.78	1.84	1.86	1.96	2.14
585	-1.18	-1.06	-1.00	-0.86	-0.80	-0.72	-0.68	-0.68	-0.64	-0.72	-0.68	-0.60	-0.86	-0.88	-0.88	-0.94	-0.96	-1.12
625	-3.78	-3.58	-3.36	-3.14	-3.00	-2.96	-3.00	-3.12	-3.28	-3.64	-4.08	-4.52	-4.70	-4.56	-4.48	-4.38	-4.52	-4.08
665	-8.64	-8.24	-7.72	-7.44	-7.28	-7.20	-7.28	-7.52	-8.04	-9.32	-11.20	-12.64	-13.08	-11.08	-9.72	-9.60	-10.96	-10.80
705	-19.20	-18.00	-17.00	-16.00	-16.00	-16.00	-16.00	-16.00	-17.00	-21.00	-26.00	-30.00	-31.00	-23.00	-17.00	-18.00	-24.00	-30.00
745	-48.54	-42.00	-43.40	-43.20	-43.20	-43.20	-42.40	-43.20	-43.40	-44.20	-45.20	-46.40	-47.00	-40.60	-39.40	-40.40	-43.20	-46.80
785	-52.60	-55.20	-57.20	-57.80	-58.40	-58.40	-58.40	-58.40	-58.40	-58.40	-58.40	-57.00	-56.20	-55.80	-55.80	-56.20	-57.00	-58.20
825	-57.00	-58.80	-60.80	-61.80	-62.80	-63.20	-63.60	-63.60	-64.00	-64.00	-64.40	-63.80	-64.20	-64.20	-64.20	-63.80	-63.80	-63.40
865	-51.22	-57.22	-58.32	-59.62	-60.42	-61.22	-62.02	-62.02	-62.82	-62.82	-63.62	-63.62	-64.42	-64.42	-64.42	-63.62	-63.62	-62.82
905	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10



Table 5.2--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50	-25.50
86N	-24.54	-24.62	-24.78	-24.94	-25.10	-25.10	-25.10	-25.18	-25.34	-25.34	-25.66	-25.74	-25.82	-25.90	-25.98	-26.06	-26.14	-26.14
82N	-22.32	-22.66	-22.92	-23.10	-23.36	-23.56	-23.68	-23.84	-24.06	-24.40	-24.74	-24.90	-25.06	-25.16	-25.32	-25.42	-25.46	-25.52
78N	-20.40	-20.82	-21.16	-21.38	-21.60	-21.76	-21.96	-22.16	-22.38	-22.80	-23.06	-23.26	-23.42	-23.76	-23.92	-23.90	-23.82	-23.76
74N	-18.80	-18.68	-18.84	-19.04	-19.08	-19.20	-19.56	-19.92	-20.20	-20.54	-20.80	-21.16	-21.78	-21.94	-22.00	-21.70	-21.36	-21.00
70N	-16.00	-14.20	-13.40	-14.00	-13.80	-14.00	-15.00	-16.00	-17.00	-17.50	-18.00	-19.00	-19.70	-19.70	-19.60	-18.90	-18.00	-17.40
66N	-9.44	-8.76	-8.28	-8.56	-8.52	-8.80	-9.32	-9.92	-10.84	-12.14	-15.52	-16.52	-12.98	-14.58	-15.12	-15.78	-16.64	-15.00
62N	-4.14	-4.04	-4.06	-4.68	-5.40	-6.54	-6.64	-6.78	-7.56	-8.16	-9.56	-9.78	-7.82	-7.30	-8.72	-8.88	-9.52	-8.64
58N	-0.14	-0.36	-1.18	-1.84	-3.32	-5.90	-4.68	-4.26	-4.76	-5.04	-4.76	-4.30	-3.94	-2.70	-3.80	-3.16	-3.16	-2.96
54N	1.68	1.84	0.16	-0.10	-1.66	-4.78	-2.20	-0.98	-1.24	-1.96	-2.24	-1.70	-1.14	-1.50	-1.28	-0.18	0.14	0.38
50N	-0.40	2.00	0.0	-0.10	-0.30	-0.30	1.00	3.50	3.00	2.20	0.40	0.30	0.70	-0.30	0.40	1.90	2.30	2.70
46N	3.28	0.24	0.96	1.10	3.22	1.70	2.84	4.94	4.28	3.48	3.60	2.78	1.66	2.02	2.96	3.74	4.30	4.86
42N	8.28	6.10	4.32	4.40	5.78	7.36	7.32	7.28	6.64	6.92	6.86	5.74	4.96	5.66	6.48	7.08	7.80	8.34
38N	4.88	6.14	3.92	9.16	8.54	12.36	10.48	9.56	9.80	10.20	10.70	10.14	9.92	10.26	10.72	11.12	11.60	11.98
34N	-2.04	1.08	1.76	14.08	12.44	15.02	11.98	11.84	13.54	13.28	14.96	15.26	15.12	14.90	14.96	15.08	15.14	15.32
30N	7.00	5.80	8.00	17.20	18.20	16.30	15.10	15.20	17.70	18.40	18.80	18.70	18.40	18.10	18.00	18.20	18.50	18.60
26N	23.96	22.28	13.92	19.44	19.72	19.66	18.22	20.40	21.46	22.08	22.16	22.14	22.08	21.86	21.52	21.56	21.62	21.56
22N	28.68	28.74	22.96	23.48	22.68	23.50	23.68	24.16	24.32	24.38	24.20	24.20	24.20	24.06	23.90	23.90	23.84	23.80
18N	29.00	29.98	28.92	27.04	25.44	26.42	27.48	26.52	25.92	25.74	25.60	25.56	25.44	25.38	25.38	25.46	25.44	25.44
14N	28.84	29.28	30.04	28.80	27.14	27.74	28.40	27.66	26.56	26.60	26.82	26.62	26.18	26.18	26.28	26.44	26.60	26.68
10N	28.20	28.40	29.00	28.40	27.70	27.50	28.00	27.90	27.20	27.40	28.10	27.50	26.50	26.50	27.00	27.00	27.40	27.80
6N	27.56	26.72	27.40	27.92	27.62	28.06	27.68	27.18	27.60	28.04	28.26	27.34	26.90	26.90	27.00	27.48	27.96	28.12
2N	27.82	27.20	27.18	27.68	27.78	27.96	27.12	27.18	27.70	27.84	27.40	27.06	27.12	27.18	27.30	27.72	28.16	28.26
25	28.26	28.08	27.74	26.96	28.02	27.96	27.32	27.62	28.02	27.48	25.68	25.66	27.52	27.62	27.78	28.00	28.28	28.34
65	28.38	28.38	28.32	26.44	28.20	28.20	28.10	28.08	27.74	27.50	24.74	24.54	27.94	28.12	28.16	28.28	28.36	28.36
105	27.90	27.90	28.00	28.20	28.20	28.20	28.10	28.00	28.30	28.30	27.70	27.50	27.70	28.20	28.00	28.20	28.20	28.20
145	26.86	26.86	26.96	27.48	27.96	28.28	28.26	28.16	28.14	27.10	27.06	26.54	27.38	27.72	27.68	27.72	27.72	27.80
185	25.58	25.52	25.56	26.10	26.94	27.88	27.70	26.34	25.64	25.30	26.36	25.16	25.92	26.70	26.88	26.88	26.94	26.98
225	24.02	23.84	23.84	24.30	25.18	26.04	25.54	23.62	22.80	23.02	24.48	23.36	22.92	24.98	25.48	25.56	25.58	25.54
265	22.22	21.86	21.84	22.18	22.86	23.14	22.24	20.90	20.48	20.40	21.52	21.34	19.46	22.88	23.66	23.78	23.64	23.54
305	20.30	19.70	19.60	19.70	20.30	20.90	19.60	18.90	18.40	18.60	18.80	19.50	18.10	21.20	21.90	21.70	21.40	21.30
345	17.90	17.54	17.44	17.30	17.58	18.10	17.52	17.30	17.20	16.84	16.54	16.94	15.62	19.44	19.58	19.38	19.16	18.82
385	15.32	14.96	14.74	14.60	14.80	15.06	15.20	15.40	15.58	15.44	15.22	15.22	15.18	16.96	17.08	16.94	16.86	16.28
425	12.16	11.84	11.66	11.68	11.84	11.98	12.44	12.88	13.22	13.40	13.46	13.50	14.14	14.40	14.56	14.50	13.42	13.80
465	8.56	8.42	8.44	8.62	8.72	8.96	9.36	9.64	10.22	10.54	10.88	11.28	11.64	11.84	11.96	11.98	9.82	11.42
505	5.20	5.30	5.40	5.50	5.60	6.00	6.40	6.80	7.10	7.50	8.00	8.40	8.60	8.80	9.00	9.10	9.10	9.10
545	2.24	2.42	2.68	2.70	2.96	3.12	3.44	3.76	4.06	4.46	5.04	5.28	5.48	5.68	5.88	6.06	5.82	6.22
585	-1.02	-0.94	-0.76	-0.58	-0.46	-0.24	0.00	0.36	0.72	1.12	1.60	1.98	2.30	2.56	2.76	2.90	3.02	3.28
625	-5.10	-5.22	-5.28	-5.10	-5.14	-4.92	-4.80	-4.44	-4.12	-3.56	-2.92	-2.42	-1.82	-1.40	-0.88	-0.50	-0.18	-0.04
665	-13.76	-14.80	-15.84	-16.04	-16.32	-16.24	-16.24	-16.00	-15.84	-15.00	-13.80	-12.20	-10.20	-8.20	-6.60	-5.36	-5.00	-4.44
705	-34.00	-38.00	-42.00	-43.00	-44.00	-44.00	-44.00	-44.00	-44.00	-43.00	-41.00	-35.00	-29.00	-21.00	-17.00	-14.00	-13.00	-11.00
745	-49.20	-50.80	-52.40	-53.40	-54.40	-54.40	-54.40	-53.60	-52.80	-51.80	-49.80	-47.00	-42.60	-37.80	-30.60	-18.80	-17.00	-15.60
785	-59.00	-60.00	-60.40	-60.80	-61.20	-60.60	-60.00	-58.40	-56.20	-54.60	-52.60	-50.00	-43.60	-37.80	-31.00	-23.60	-22.20	-21.80
825	-63.40	-64.00	-63.60	-63.20	-62.80	-61.80	-60.40	-58.40	-56.20	-54.60	-53.00	-50.00	-44.00	-38.60	-33.40	-30.80	-29.40	-29.00
865	-62.82	-62.82	-62.02	-61.22	-60.42	-59.62	-58.02	-56.42	-55.62	-54.82	-54.02	-51.62	-49.22	-46.82	-43.62	-42.02	-40.42	-39.62
905	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10	-58.10

Table 5.3

## APRIL SEA-SURFACE TEMPERATURE (deg C)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
86N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
82N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
78N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
74N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
70N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
66N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
62N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
58N	2.3	2.2	2.2	3.0	4.0	4.3	5.0	5.5	6.3	7.3	8.3	9.3	10.3	11.3	12.3	13.3	14.3	15.3
54N	3.6	3.8	4.1	4.3	4.5	4.7	5.0	5.5	6.3	7.3	8.3	9.3	10.3	11.3	12.3	13.3	14.3	15.3
50N	4.5	5.1	5.5	5.7	6.0	6.3	6.7	7.1	7.7	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1
46N	7.4	7.9	8.1	8.1	8.6	8.9	9.1	9.4	9.7	10.1	10.3	10.4	10.6	10.8	11.0	11.2	11.4	11.6
42N	11.6	11.5	11.4	11.4	11.7	11.8	12.0	12.2	12.4	12.6	12.3	11.4	10.4	9.4	8.4	7.4	6.4	5.4
38N	15.1	14.9	14.7	14.8	14.9	15.0	15.1	15.1	15.1	14.9	14.3	13.2	12.2	11.2	10.2	9.2	8.2	7.2
34N	17.8	18.0	18.1	18.1	18.1	18.2	18.1	17.9	17.7	17.2	16.4	15.3	14.2	13.2	12.2	11.2	10.2	9.2
30N	21.5	21.4	21.5	21.3	20.9	21.1	20.8	20.3	19.8	19.2	18.3	17.4	16.7	15.7	14.7	13.7	12.7	11.7
26N	24.1	24.0	24.0	23.9	23.2	22.8	22.4	22.0	21.5	21.1	20.2	19.2	18.8	18.9	18.9	18.9	18.9	18.9
22N	25.5	25.4	25.3	25.1	24.8	24.4	23.8	23.3	22.9	22.4	21.8	21.3	21.2	22.3	23.2	24.1	25.0	25.9
18N	26.5	26.3	26.3	25.9	25.4	25.3	25.1	24.6	24.2	23.7	23.4	23.5	24.1	25.3	26.5	27.6	28.7	29.8
14N	27.2	27.3	27.1	26.8	26.4	26.6	26.4	25.8	25.6	25.5	25.8	26.4	26.4	27.1	28.0	29.0	29.9	30.8
10N	27.8	27.7	27.6	27.3	27.5	27.9	27.7	27.2	27.0	27.1	27.6	27.3	27.6	28.1	28.6	28.9	28.9	28.7
6N	27.8	27.7	27.6	27.6	27.7	27.7	27.8	27.8	27.7	27.8	27.6	27.8	27.9	28.1	28.0	27.7	27.9	28.1
2N	27.8	27.8	27.8	27.7	27.7	27.6	27.5	27.4	27.6	27.1	26.4	26.4	27.3	27.5	26.7	26.8	26.7	26.1
25	28.4	28.3	28.1	28.1	28.1	28.0	27.9	27.8	27.6	26.8	26.6	26.9	27.1	27.1	26.9	26.7	26.4	26.2
65	28.6	28.5	28.2	28.1	28.1	28.1	28.1	28.1	28.1	27.6	27.3	27.2	27.0	26.9	26.4	26.1	25.9	25.4
10S	28.3	28.3	28.1	28.1	28.1	28.1	28.1	28.1	28.0	27.6	27.2	26.9	26.6	26.3	25.9	25.5	25.0	24.5
14S	27.5	27.5	27.7	27.7	27.7	27.6	27.6	27.6	27.5	27.2	26.7	26.5	26.2	25.8	25.4	24.9	24.2	23.2
18S	25.9	26.0	26.1	26.1	26.1	26.1	26.1	26.2	26.3	26.2	26.1	25.9	25.5	25.2	24.8	24.3	23.5	22.2
22S	24.1	24.2	24.1	24.2	24.2	24.3	24.4	24.6	24.6	24.7	24.7	24.7	24.6	24.5	24.1	23.5	22.7	21.7
26S	22.2	22.3	22.2	22.0	21.9	22.0	22.2	22.4	22.5	22.6	22.6	22.9	22.9	22.8	22.6	22.4	21.9	21.5
30S	20.5	20.4	20.5	20.5	20.3	20.4	20.5	20.5	20.6	20.6	20.6	20.5	20.7	20.7	20.7	20.4	20.4	20.2
34S	18.3	18.1	18.0	17.9	17.9	17.8	17.9	17.9	17.8	17.9	17.9	17.8	17.9	17.9	17.8	18.0	17.9	17.7
38S	15.9	15.5	15.2	15.0	14.9	14.9	15.0	14.9	14.9	14.9	14.9	15.0	15.1	15.1	14.9	15.0	15.0	15.0
42S	12.6	12.1	12.7	12.2	12.9	13.0	13.0	12.9	12.2	12.2	12.2	12.7	12.5	12.6	12.6	12.6	12.6	12.6
46S	9.8	10.3	10.5	10.7	10.7	10.7	10.8	10.7	10.6	10.6	10.4	10.2	10.1	10.0	9.9	10.0	10.0	10.0
50S	7.1	7.5	7.5	7.6	7.7	7.6	7.4	7.5	7.4	7.4	7.4	7.6	7.6	7.6	7.6	7.6	7.5	7.4
54S	3.5	3.5	3.7	3.9	3.9	3.9	4.1	4.1	4.2	4.2	4.2	4.2	4.4	4.5	4.6	4.7	4.7	4.7
58S	0.9	1.0	1.1	1.2	1.3	1.3	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4
62S	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5
66S	-0.3	-0.1	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	-0.1	-0.1
70S	-0.4	-0.4	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
74S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
78S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
82S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
86S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
90S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I



Table 5.3--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
86N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
82N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
78N	-1.0	-1.1	-0.8	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
74N	1.1	2.4	4.0	5.2	5.3	4.9	4.1	2.8	0.2	I	I	I	I	I	I	I	I	I
70N	4.4	5.7	5.9	5.2	I	I	I	-1.2	-1.4	I	I	I	I	I	I	I	I	I
66N	7.0	6.8	5.0	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
62N	6.9	5.3	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
58N	6.4	6.0	5.6	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
54N	I	7.9	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
50N	10.2	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
46N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
42N	I	14.4	14.7	I	I	I	I	12.2	12.5	I	I	I	I	I	I	I	I	I
38N	16.2	18.4	16.0	15.9	I	I	I	16.4	I	I	I	I	I	I	I	I	I	I
34N	I	I	I	16.9	16.9	17.2	17.7	18.9	I	I	I	I	I	I	I	I	I	I
30N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
26N	I	I	I	I	I	I	I	23.8	I	I	I	I	I	I	I	I	I	I
22N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
18N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
14N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
10N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
6N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2N	28.1	28.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
25	27.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
65	26.5	26.9	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
105	24.7	24.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
145	23.6	23.4	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
185	22.9	22.6	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
225	21.8	21.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
265	20.7	20.7	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
305	20.2	19.5	19.2	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
345	17.3	17.0	17.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
385	13.3	13.5	13.9	15.4	16.3	17.6	16.3	16.3	16.0	16.1	16.1	16.5	16.3	15.7	14.9	14.4	13.9	13.5
425	9.4	9.5	9.9	10.3	11.0	10.9	10.6	10.1	9.9	9.4	8.8	10.3	12.0	11.8	11.4	11.4	10.6	10.6
465	5.0	5.1	5.3	5.5	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.7	6.6	6.0	5.8	6.1	6.6	7.3
505	1.9	2.0	2.1	2.3	2.4	2.4	2.5	2.6	2.7	2.9	2.9	2.9	3.2	3.4	3.6	3.9	4.1	4.3
545	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.3	1.7	1.9	2.1	2.2
585	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6
625	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3
665	I	I	-0.4	-0.3	-0.3	-0.3	-0.3	-0.4	I	I	I	I	I	I	I	I	I	I
705	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
745	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
785	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
825	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
865	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
905	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

Table 5.3--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
86N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
82N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
78N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
74N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
70N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
66N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
58N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
54N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
50N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
46N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
65	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
105	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
145	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
185	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
225	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
265	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
305	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
345	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
385	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
425	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
465	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
505	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
545	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
585	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
625	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
665	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
705	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
745	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
785	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
825	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
865	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
905	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Table 5.4

## APRIL SURFACE RELATIVE HUMIDITY (X)

	180M	175M	170M	165M	160M	155M	150M	145M	140M	135M	130M	125M	120M	115M	110M	105M	100M	95M
90N	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85
86N	84.45	86.36	86.36	86.37	87.02	88.33	88.33	88.33	87.02	85.73	85.10	85.74	85.74	85.74	85.74	85.74	85.11	85.11
82N	90.89	92.92	92.41	91.91	92.25	92.93	91.41	91.41	89.74	89.57	89.24	89.56	90.55	90.55	91.55	91.55	90.71	91.21
78N	91.71	94.06	92.89	92.73	91.40	90.74	87.98	87.98	87.33	88.75	89.39	89.71	92.33	92.67	94.02	94.02	93.51	93.34
74N	85.33	88.90	88.01	88.62	84.81	83.12	82.05	81.02	81.46	83.80	84.98	86.94	90.69	92.46	92.94	92.77	92.77	91.64
70N	77.34	82.23	83.73	83.73	77.50	75.33	81.27	76.56	76.03	78.81	78.85	85.04	87.91	93.28	92.42	91.58	91.56	92.37
66N	75.03	73.67	71.32	69.32	66.36	60.47	60.50	63.18	75.43	85.40	87.51	85.41	88.67	89.53	89.15	95.69	94.34	93.85
62N	80.14	79.00	76.57	74.84	70.85	61.97	65.01	68.89	80.17	77.64	76.61	72.80	75.87	79.26	80.07	88.72	85.37	84.52
58N	85.37	85.39	82.51	79.86	77.70	70.21	74.01	76.91	81.65	76.32	69.60	66.73	68.97	69.38	70.11	77.42	75.87	76.56
54N	87.11	87.11	83.13	79.11	80.79	79.18	79.79	81.10	80.74	83.94	73.09	66.11	70.24	60.78	62.38	67.71	69.51	72.12
50N	85.33	85.33	82.96	81.78	80.63	81.25	83.69	84.96	87.46	89.41	86.39	77.85	73.32	51.55	59.02	63.33	65.02	67.23
46N	81.25	81.75	79.51	77.52	76.92	75.36	75.00	78.73	82.44	86.41	84.20	75.94	55.38	52.89	45.19	54.81	57.34	55.58
42N	76.07	76.63	73.97	72.86	72.09	71.33	72.17	74.74	77.22	81.28	81.45	73.51	47.81	47.96	37.32	45.25	53.60	57.48
38N	73.93	74.45	72.30	72.21	71.81	71.24	72.43	73.73	73.86	77.45	79.27	74.17	53.82	36.79	32.15	36.75	48.75	60.07
34N	74.03	74.32	73.65	74.22	74.71	73.52	73.61	74.47	72.92	76.06	78.72	78.40	71.81	32.97	30.47	30.73	45.85	62.00
30N	71.81	71.33	71.77	72.70	73.15	73.12	73.56	73.99	73.94	75.88	81.00	83.70	84.78	62.34	36.24	27.79	53.77	72.94
26N	69.30	69.20	69.25	69.04	69.11	69.43	70.19	70.58	72.35	75.75	78.72	84.73	88.09	81.63	56.70	51.71	61.00	77.71
22N	70.79	70.50	69.41	68.93	68.89	67.98	69.32	69.97	71.88	75.31	78.93	83.17	85.66	84.07	71.42	67.79	47.47	76.38
18N	73.21	73.46	71.96	70.94	70.19	68.92	69.91	70.57	71.96	74.61	77.96	80.65	80.16	78.31	75.87	74.91	51.01	75.80
14N	74.89	76.17	75.64	74.48	72.70	71.85	71.54	72.03	73.02	74.76	76.36	78.66	76.29	73.73	72.61	77.12	75.10	77.66
10N	75.41	76.33	77.71	79.60	78.11	75.69	74.25	75.12	76.53	77.97	78.46	78.48	80.04	76.21	70.03	75.04	81.26	78.84
6N	74.01	75.27	76.67	81.70	82.99	78.47	76.96	77.90	78.57	79.25	79.75	79.36	79.69	75.17	72.86	76.85	79.25	77.24
2N	75.30	74.74	74.48	76.97	78.00	77.19	77.98	78.36	78.84	79.02	79.49	78.13	76.99	75.14	73.76	74.97	74.98	73.71
25	76.99	75.86	74.30	73.84	74.65	76.11	77.85	78.61	78.89	77.89	76.03	74.34	73.24	73.59	72.94	72.68	74.36	73.82
65	78.05	77.95	75.95	74.39	76.05	77.07	77.82	78.44	79.23	76.48	71.28	69.13	69.36	70.38	71.33	71.44	76.55	76.75
105	78.81	78.32	75.94	75.48	78.33	79.79	79.79	80.27	79.28	75.40	69.91	64.77	65.93	67.56	70.52	70.97	74.17	75.10
145	79.94	80.23	77.40	76.93	78.27	78.18	78.18	78.27	77.69	74.63	70.25	65.06	65.25	66.50	69.77	71.94	75.15	76.06
185	76.64	77.12	76.83	76.07	76.45	75.41	75.13	74.57	74.65	72.71	70.78	66.56	65.75	66.93	69.00	71.58	74.76	76.51
225	72.34	72.80	74.19	73.26	73.44	72.98	73.09	73.27	73.00	72.35	71.88	69.02	67.48	68.03	69.25	69.20	72.97	75.82
265	69.33	69.86	71.13	70.67	71.03	71.95	72.89	74.50	73.67	74.23	73.87	72.20	70.38	69.36	70.27	67.04	70.84	73.98
305	68.96	69.85	70.75	72.13	72.13	73.09	74.05	74.56	76.04	77.04	77.06	76.09	74.19	70.91	70.42	69.90	70.29	71.59
345	71.55	72.85	74.58	74.87	76.04	77.05	77.26	78.20	76.48	77.53	77.15	76.66	75.40	74.32	73.80	73.30	75.27	76.30
385	76.08	77.60	78.42	78.73	79.66	80.08	80.71	81.15	80.72	80.85	80.96	80.44	79.70	79.80	78.93	79.03	79.43	79.51
425	81.45	82.21	81.99	82.54	82.86	82.85	83.96	84.18	84.41	84.75	85.31	85.20	85.08	85.19	84.95	85.28	83.47	82.91
465	85.23	84.77	84.31	84.54	84.64	84.64	85.67	86.14	85.31	86.83	87.65	88.25	88.96	88.36	89.57	89.57	86.91	86.57
505	83.59	83.60	83.61	82.46	83.02	83.02	83.59	83.58	84.15	84.73	86.49	87.08	88.30	87.68	88.90	88.90	87.48	88.30
545	87.64	87.16	86.19	85.95	85.59	84.63	85.22	85.22	85.81	85.45	86.77	86.89	86.64	86.03	86.76	86.27	86.03	85.20
585	90.06	89.42	89.69	88.93	87.92	88.17	87.68	86.55	86.05	85.81	86.31	85.68	84.70	85.65	85.44	84.71	84.24	84.24
625	89.81	89.43	89.44	88.40	86.87	87.39	86.13	84.75	83.76	83.52	83.53	83.29	82.92	82.43	83.17	83.17	82.92	82.69
665	86.80	86.16	83.73	82.85	81.13	80.16	79.21	78.50	78.15	77.69	77.80	77.34	77.34	79.98	77.69	77.69	80.84	80.72
705	81.86	79.69	74.47	72.75	71.62	69.42	65.42	64.35	68.48	66.48	69.42	69.42	69.42	80.22	68.88	68.88	79.61	81.50
745	63.57	62.84	57.86	57.57	61.37	60.73	65.22	54.33	56.19	55.95	64.61	59.84	59.84	57.45	59.73	59.73	66.24	71.47
785	64.97	64.87	65.92	65.92	72.06	71.98	70.70	73.20	69.11	73.02	78.52	75.41	66.90	62.06	62.06	73.85	76.65	74.94
825	56.22	56.48	61.97	61.97	65.56	68.07	70.69	71.95	70.46	74.58	77.33	80.24	73.44	58.78	62.08	78.46	78.14	76.30
865	42.88	46.88	47.17	47.17	47.17	51.21	55.64	50.93	55.37	54.83	59.47	64.65	70.21	57.89	57.62	63.19	62.94	69.14
905	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26

	90M	85M	80M	75M	70M	65M	60M	55M	50M	45M	40M	35M	30M	25M	20M	15M	10M	5M
90N	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85
86N	84.49	84.49	83.87	82.65	80.85	79.10	77.39	76.63	75.72	74.09	72.49	71.45	70.92	69.91	67.90	64.95	56.79	55.11
82N	87.91	85.51	84.71	83.95	79.52	78.14	76.30	73.77	69.46	66.43	65.32	64.50	63.13	65.95	68.26	70.14	56.40	58.90
78N	89.07	82.76	81.14	80.26	71.54	67.86	64.10	64.23	72.80	67.47	68.79	68.93	70.07	67.84	70.23	74.40	61.69	67.57
74N	88.81	81.14	79.36	75.25	65.65	60.01	53.14	57.36	84.08	73.52	81.34	84.04	85.43	74.10	68.68	73.27	68.37	72.62
70N	90.76	90.78	93.24	91.42	79.35	77.78	63.88	69.55	84.18	64.53	80.87	89.34	96.56	81.36	64.50	79.32	72.12	78.67
66N	90.16	85.59	81.58	85.73	87.62	85.70	81.25	77.44	74.25	65.95	53.81	81.39	81.80	77.68	75.35	76.52	76.20	76.99
62N	90.84	75.87	75.13	81.02	89.47	94.53	91.65	77.18	74.84	72.26	68.49	83.87	88.29	83.08	80.45	79.59	79.53	80.57
58N	89.37	67.65	75.61	73.28	85.41	94.27	79.39	71.37	77.18	78.05	84.01	85.40	86.76	85.76	81.48	82.44	82.80	80.55
54N	65.24	64.92	78.74	68.33	80.34	84.72	63.57	69.01	79.01	80.98	82.98	82.81	84.23	83.28	80.96	82.79	82.98	77.92
50N	72.08	71.44	74.11	83.50	81.73	75.96	77.70	85.66	82.88	80.28	78.28	79.09	80.92	82.64	82.08	82.05	83.10	83.04
46N	64.85	72.20	77.10	71.06	72.00	74.75	81.42	86.92	89.43	82.73	78.75	77.33	78.12	78.87	80.04	79.16	81.05	82.75
42N	62.57	67.07	68.63	63.47	81.94	76.17	76.97	76.16	75.94	76.57	76.25	76.64	76.36	76.86	78.40	77.01	76.55	73.07
38N	62.60	62.51	62.83	65.10	80.58	74.93	72.91	70.86	69.88	74.16	76.39	77.73	77.61	76.05	76.10	74.16	73.31	67.95
34N	65.29	62.52	64.42	73.37	70.14	73.00	72.80	73.11	73.78	76.64	78.85	79.97	80.76	76.88	74.41	70.13	73.13	58.57
30N	73.86	70.58	73.59	77.50	78.95	78.42	77.41	76.91	76.42	76.91	77.89	79.37	81.39	80.82	76.64	65.34	76.63	30.20
26N	75.57	77.18	70.18	77.29	82.00	79.05	76.87	76.75	76.62	74.38	75.30	76.70	78.62	80.11	79.18	69.48	36.18	20.72
22N	69.77	80.77	75.93	76.25	81.02	77.55	76.57	77.12	77.37	75.30	75.33	74.98	77.13	78.76	75.83	55.83	25.03	17.55
18N	71.88	77.88	80.19	76.64	76.68	75.03	75.94	78.00	78.06	76.95	76.80	75.86	74.85	77.65	76.23	41.91	22.49	19.16
14N	69.36	71.56	78.29	77.69	72.70	72.15	74.92	78.76	78.63	77.92	78.46	78.81	77.77	77.89	78.52	41.82	27.92	28.08
10N	71.86	69.86	73.06	75.71	74.92	69.11	73.90	78.05	79.49	78.00	78.93	80.90	79.89	80.88	88.85	74.56	60.75	57.50
6N	73.62	71.43	69.94	68.11	73.94	55.63	72.89	80.05	80.73	78.47	79.02	82.44	82.44	85.15	87.65	82.61	77.04	75.82
2N	74.02	77.19	85.34	85.31	86.01	66.11	75.12	83.62	84.45	81.00	80.57	83.49	86.27	87.89	87.37	83.69	83.23	82.71
65	77.32	78.45	82.61	81.64	87.62	87.31	88.20	84.26	88.11	83.01	69.61	78.69	79.58	81.51	76.24	74.66	75.22	77.41
105	76.03	77.89	81.71	76.17	88.88	83.08	85.09	84.62	80.57	78.62	60.19	80.63	79.17	77.17	74.30	72.00	72.89	76.15
145	77.00	77.74	78.83	75.35	75.31	66.87	86.75	78.78	74.11	85.41	84.29	80.22	77.57	75.60	73.46	71.13	72.70	75.94
185	77.44	77.31	78.03	76.48	76.52	70.93	79.67	73.28	72.22	82.17	87.97	78.91	74.58	73.75	72.08	70.27	70.90	72.96
225	77.32	76.79	77.92	77.70	78.38	69.92	73.90	71.49	77.09	75.09	81.85	76.88	72.63	71.26	70.51	69.60	69.34	70.81
265	76.05	76.19	77.40	77.44	77.37	60.96	72.03	73.79	83.12	70.18	75.85	74.82	71.62	69.21	69.36	69.35	69.01	70.58
305	72.47	75.25	75.66	74.48	80.79	62.36	71.35	78.09	73.93	71.48	73.34	72.39	69.16	70.00	69.45	69.85	70.24	71.11
345	76.07	75.83	74.68	71.61	77.25	73.39	79.32	77.18	74.54	72.92	74.06	74.23	73.15	72.92	72.79	69.44	73.63	74.96
385	78.98	77.62	76.05	76.62	59.43	69.66	78.20	78.91	76.46	74.67	75.66	75.25	75.92	75.69	75.37	74.12	76.91	77.51
425	81.28	80.52	78.89	83.34	50.86	62.95	76.07	80.30	77.90	76.23	76.64	75.80	76.70	76.67	76.94	77.97	79.00	79.42
465	83.23	83.36	81.99	82.88	54.73	61.61	76.11	80.84	79.09	78.00	77.24	77.10	77.39	77.45	78.69	79.66	80.40	81.40
505	85.31	83.57	83.57	75.10	65.47	71.61	76.23	82.79	82.73	81.55	79.80	81.46	83.17	83.73	83.71	84.29	83.67	84.23
545	82.74	80.58	79.22	71.98	69.59	75.82	77.64	83.46	82.37	82.55	83.08	83.88	85.22	84.82	84.31	85.41	85.78	86.44
585	82.57	81.30	79.56	76.62	76.70	80.04	79.68	83.70	81.96	85.09	87.07	85.85	87.60	86.78	86.14	86.27	85.76	86.44
625	81.73	81.62	80.78	81.23	82.75	83.37	79.12	84.28	83.04	85.06	88.53	88.54	87.60	88.85	88.73	88.08	86.77	86.33
665	80.84	80.23	79.55	77.71	74.24	75.99	85.99	82.03	83.28	80.27	84.88	87.98	87.16	86.63	88.19	86.40	82.89	80.66
705	84.74	78.85	73.32	60.57	39.58	43.90	62.19	69.90	75.77	71.51	75.33	74.11	75.33	72.70	77.04	71.08	60.38	57.33
745	72.11	70.74	59.89	48.64	50.03	76.57	57.83	55.96	59.27	60.42	60.68	60.89	62.78	56.71	60.87	53.91	69.85	52.47
785	70.58	58.84	48.05	46.97	56.98	70.08	55.21	56.85	58.08	59.08	58.86	59.08	59.79	59.76	50.42	53.30	66.36	52.33
825	71.39	58.61	49.33	50.83	57.94	55.74	52.54	58.52	58.52	58.52	56.40	53.44	55.40	58.54	46.51	53.30	58.33	53.23
865	69.14	62.94	57.35	57.35	57.35	52.29	52.29	57.35	57.35	57.35	57.07	46.80	51.11	50.81	50.51	55.66	55.37	55.03
905	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26

Table 5.4—Continued

	OE	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85
86N	52.77	52.40	55.31	55.78	59.28	63.49	64.91	65.39	68.27	69.74	70.24	71.25	70.20	70.62	72.15	71.60	76.95	80.85
82N	55.55	60.11	63.21	63.82	67.75	69.94	70.68	73.45	75.24	75.16	76.06	74.14	69.77	72.44	73.12	71.24	76.50	75.32
78N	69.27	75.78	78.24	79.95	82.32	80.46	77.61	80.46	80.72	82.43	84.18	81.83	78.30	84.45	80.66	73.67	74.16	76.31
74N	80.64	83.82	85.85	88.02	87.35	86.00	77.67	78.19	78.06	85.10	88.40	90.29	90.48	97.20	87.98	76.28	72.67	78.32
70N	74.82	79.50	81.36	78.99	76.01	77.54	74.08	74.52	74.37	84.36	90.31	97.64	90.81	87.06	81.99	79.13	82.26	89.42
66N	75.43	78.14	77.96	77.64	80.19	76.73	73.30	72.48	76.02	83.16	82.67	88.02	81.43	83.18	77.01	73.00	76.39	77.61
62N	80.10	80.65	76.87	75.20	77.68	72.17	65.26	67.51	72.97	75.34	73.62	79.54	69.67	72.81	68.67	68.77	68.69	67.40
58N	85.94	82.38	76.37	75.29	75.56	72.78	65.88	63.76	69.93	71.84	71.07	74.51	67.06	69.21	67.68	67.13	64.67	62.12
54N	87.66	80.11	74.37	76.20	75.19	76.13	72.76	60.71	68.88	73.77	73.65	71.78	71.20	71.38	70.44	67.95	64.26	62.95
50N	78.51	72.70	68.51	71.43	72.94	69.32	66.28	54.45	69.59	75.36	72.80	68.23	69.59	68.88	72.79	70.68	64.05	71.38
46N	71.52	61.70	69.27	67.48	63.92	64.82	71.81	65.99	68.39	69.19	65.84	58.75	73.85	77.91	71.68	66.30	69.84	54.47
42N	64.77	65.08	75.14	68.16	67.92	64.68	67.35	65.91	84.68	51.06	56.98	54.21	61.91	65.59	59.66	41.07	38.04	31.75
38N	63.03	55.70	72.69	71.85	74.83	65.54	67.35	63.78	66.64	42.99	48.32	49.38	54.67	58.45	55.06	35.81	27.21	26.38
34N	55.16	39.08	57.33	69.13	70.08	59.04	67.59	61.91	38.31	42.99	46.14	46.94	55.98	54.44	50.93	43.72	33.36	34.09
30N	28.53	34.84	37.07	47.65	43.31	37.94	49.91	42.19	38.86	38.47	62.32	55.98	62.07	38.18	30.76	34.89	43.75	40.18
26N	23.27	22.35	29.18	37.38	29.15	28.21	29.60	44.87	47.92	44.96	51.29	63.93	65.41	57.30	33.82	21.96	23.42	32.82
22N	17.61	22.68	20.48	24.15	21.82	21.37	20.22	28.57	62.08	46.90	44.54	49.23	66.49	67.48	53.80	26.18	27.28	46.61
18N	16.59	21.98	17.53	21.13	19.50	18.61	17.17	20.14	58.45	58.73	54.27	51.97	69.72	71.45	71.77	38.40	43.88	66.13
14N	23.79	23.25	21.74	27.86	23.65	21.79	20.10	20.85	44.19	74.53	75.27	73.41	73.26	73.06	72.46	54.94	67.05	76.42
10N	55.86	54.77	39.79	42.61	45.98	40.09	35.77	28.46	47.13	51.96	61.86	67.90	70.49	76.41	75.04	74.61	74.64	77.86
6N	75.00	76.92	71.78	68.37	65.65	67.08	56.62	46.99	57.39	57.30	71.52	73.59	74.51	77.19	76.92	76.84	80.26	79.74
2N	81.89	84.31	87.19	81.20	77.50	79.37	73.51	60.76	62.79	73.34	75.81	76.75	77.22	77.68	77.39	76.25	77.93	77.04
25	81.07	82.46	86.84	81.45	79.60	80.55	81.71	70.74	69.16	74.09	75.79	76.25	78.16	77.49	78.82	74.75	73.83	73.54
65	78.57	79.07	82.99	78.42	79.12	80.92	81.28	76.30	77.55	74.39	74.17	76.64	78.43	77.20	75.68	73.37	71.30	71.48
10S	78.08	78.58	86.28	81.81	89.84	89.28	77.48	79.34	80.22	73.59	74.49	76.85	80.75	78.30	74.51	72.23	70.89	71.77
14S	77.47	79.12	81.05	63.07	68.41	68.37	68.31	77.05	74.72	80.01	83.65	80.29	79.90	75.56	73.32	72.12	71.48	72.36
18S	75.17	79.12	80.46	63.24	56.23	59.49	61.75	76.75	75.09	84.95	80.58	74.15	74.71	72.31	70.75	70.36	70.17	71.03
22S	73.70	77.78	77.45	58.02	48.00	54.65	65.50	75.97	76.37	84.60	76.06	69.14	69.30	69.10	68.12	68.25	69.26	69.92
26S	73.57	75.73	73.49	73.45	43.25	52.21	75.65	74.81	76.79	79.67	74.32	68.29	66.21	67.03	66.66	67.30	69.51	70.09
30S	73.39	74.81	77.74	74.91	44.51	54.58	70.49	75.82	77.78	75.29	73.33	68.70	66.88	67.73	67.69	69.40	70.28	71.60
34S	76.22	78.56	78.75	71.95	70.72	71.02	72.13	73.20	74.30	74.88	73.29	71.16	70.40	70.20	70.17	70.86	70.63	71.99
38S	78.22	80.23	74.01	76.19	78.32	75.74	74.75	75.86	77.45	77.66	75.80	74.29	73.22	73.02	72.42	72.88	72.07	72.33
42S	79.95	80.94	74.72	80.35	79.34	78.10	78.40	80.28	81.99	81.59	79.62	76.96	75.22	74.82	73.60	73.70	73.08	73.57
46S	82.08	81.73	81.62	81.73	82.08	82.19	82.18	83.55	84.34	84.43	83.02	79.29	77.24	76.29	74.81	74.20	74.41	75.77
50S	85.45	83.64	83.05	83.64	83.03	83.42	83.61	83.60	83.00	83.59	83.59	83.01	81.27	80.69	79.58	78.45	79.60	77.91
54S	86.15	86.28	86.15	87.81	87.68	87.82	87.31	86.29	85.66	85.29	84.80	85.68	85.31	86.20	86.46	86.72	86.98	86.11
58S	85.38	84.88	85.27	85.29	84.91	84.92	84.67	84.16	83.92	84.03	83.41	84.28	84.27	85.16	86.19	86.83	87.22	88.12
62S	85.09	84.33	84.49	83.74	83.12	82.62	82.87	83.11	83.85	84.79	85.67	85.38	84.48	86.33	86.21	86.33	82.34	82.34
66S	80.29	80.09	80.94	82.28	81.78	80.76	81.26	81.75	81.93	83.35	86.43	90.35	89.72	85.60	83.84	84.13	87.59	76.86
70S	59.82	59.08	64.88	71.08	71.08	71.08	71.08	71.08	64.88	63.84	75.62	90.86	90.77	83.50	64.88	70.64	91.34	90.86
74S	62.34	67.43	82.03	83.90	83.90	83.90	76.94	83.90	75.03	68.36	78.10	68.30	68.68	67.81	63.82	64.94	82.07	89.27
78S	65.96	79.88	81.55	87.99	87.92	87.92	83.54	87.92	83.47	79.23	83.47	75.52	75.71	75.80	75.80	59.98	71.71	81.36
82S	64.61	75.09	68.78	78.51	78.29	82.63	82.56	87.23	87.18	81.18	87.12	81.20	87.15	87.15	87.15	64.16	73.83	80.35
86S	60.59	60.59	60.03	66.57	66.33	73.69	73.48	81.95	81.80	81.80	81.64	81.64	81.49	81.49	81.49	73.06	81.66	81.80
90S	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26



Table 5.4--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85	80.85
86N	74.64	73.52	74.04	74.04	74.56	75.65	75.65	75.64	76.19	75.61	77.27	79.01	79.60	80.79	81.99	82.60	83.21	83.83
82N	76.48	76.69	76.50	77.31	78.41	80.72	81.59	82.93	85.05	85.64	88.48	86.53	86.83	86.50	87.61	88.41	89.23	91.56
78N	79.07	79.85	79.94	81.65	83.10	85.81	88.60	90.67	92.95	94.27	96.94	87.35	88.27	87.30	88.40	88.89	89.06	91.36
74N	77.54	75.14	75.51	81.14	79.29	81.69	86.37	89.11	90.98	92.09	88.24	79.65	82.92	85.02	86.24	83.83	80.63	80.98
70N	69.85	60.14	57.80	73.99	61.84	64.51	68.88	74.87	80.05	82.08	76.47	75.61	83.22	94.10	94.10	81.88	70.04	68.92
66N	72.22	68.23	59.61	60.43	56.45	56.85	59.83	63.16	63.35	59.16	66.06	69.98	62.48	78.15	85.27	82.33	85.96	78.61
62N	66.87	65.64	63.78	64.45	60.85	58.52	56.51	59.91	63.44	62.15	66.04	66.98	61.73	61.26	71.54	74.49	84.14	83.17
58N	62.55	62.69	64.27	71.90	68.54	60.63	52.94	55.70	62.91	67.31	66.94	67.79	65.97	60.29	69.85	73.68	81.58	85.18
54N	63.56	61.23	60.63	72.13	69.43	57.02	47.79	49.08	58.15	65.80	67.30	71.38	68.90	71.86	77.96	79.20	82.89	85.93
50N	73.07	64.70	57.66	68.53	52.41	45.80	42.66	43.41	55.40	60.94	72.12	74.87	68.45	77.06	80.12	78.57	82.18	84.68
46N	54.97	51.42	42.58	33.68	28.68	35.27	40.83	46.04	61.72	69.03	72.72	73.54	78.30	81.67	80.48	81.18	81.96	81.56
42N	35.99	29.02	33.89	33.49	33.95	37.42	46.36	53.10	65.53	69.31	70.50	74.60	80.29	80.73	78.90	79.10	78.20	77.51
38N	35.44	25.86	40.07	38.69	48.18	44.85	58.53	62.74	68.88	71.72	69.63	73.44	77.20	77.79	76.68	76.63	75.96	75.71
34N	49.72	41.88	59.37	49.43	65.44	56.82	73.65	72.51	72.80	77.37	71.75	72.10	74.65	76.25	75.85	75.86	75.87	75.39
30N	47.19	71.02	57.09	90.73	81.81	79.46	78.25	78.79	77.05	77.65	76.69	78.20	79.20	79.16	79.15	77.12	75.15	72.73
26N	59.90	71.14	51.10	61.87	76.22	79.45	81.60	83.22	79.97	76.93	75.18	74.69	72.97	71.81	71.76	70.66	69.94	69.84
22N	70.55	62.88	52.19	63.67	79.40	79.49	78.01	81.70	79.68	76.92	75.54	73.74	71.70	70.59	70.29	69.93	70.28	70.46
18N	78.12	63.24	58.55	75.71	81.93	80.00	75.01	79.52	80.65	77.86	76.10	74.11	72.98	72.24	71.96	71.61	72.52	72.34
14N	82.14	74.30	68.83	72.25	81.08	81.23	75.03	78.75	83.26	79.62	76.34	75.18	76.08	75.70	75.14	74.50	74.90	74.07
10N	85.37	84.34	78.89	77.38	80.73	83.24	76.86	78.78	83.73	81.70	76.87	76.81	81.62	81.62	79.17	77.27	74.95	74.95
6N	82.84	79.74	76.03	82.87	84.39	80.47	76.44	82.70	82.94	80.56	78.43	81.90	84.12	83.71	83.51	81.21	78.49	76.12
2N	78.09	77.25	77.92	81.53	81.64	78.01	79.19	81.28	81.53	80.84	82.62	83.82	83.83	83.94	84.78	82.65	80.28	77.27
2S	73.81	75.64	77.79	79.46	77.92	75.72	77.46	77.97	78.21	80.81	81.24	82.05	81.61	80.32	81.14	81.26	80.29	78.05
6S	71.92	75.40	76.14	79.21	76.22	74.08	71.80	75.08	77.41	78.25	75.61	79.40	79.47	76.02	76.03	77.66	78.13	78.53
10S	74.04	78.78	80.76	79.79	77.36	74.08	70.03	73.59	72.27	70.93	76.35	81.71	80.23	78.32	76.39	75.00	78.32	79.30
14S	73.17	74.84	77.90	78.93	74.69	68.07	66.63	61.14	46.88	49.48	62.36	73.87	81.80	80.23	75.59	74.20	77.58	78.86
18S	72.26	74.01	76.48	76.55	70.12	56.10	51.24	42.04	33.09	35.54	44.98	59.05	76.72	75.95	73.08	72.53	74.94	76.08
22S	71.67	74.16	76.46	75.75	68.80	48.80	36.58	31.87	29.43	31.46	35.58	45.62	63.56	73.47	71.07	70.72	71.99	72.35
26S	71.68	74.65	77.39	77.33	71.96	48.93	31.26	32.73	34.52	35.29	35.04	39.39	51.25	73.65	70.53	69.74	69.89	69.34
30S	72.51	76.31	78.32	79.87	77.39	56.89	47.43	48.58	48.46	43.11	43.77	46.76	52.92	70.78	71.36	70.86	69.90	68.98
34S	72.91	74.82	76.41	80.86	81.64	76.40	65.19	67.65	68.36	68.21	56.78	53.60	63.85	73.53	72.88	71.62	68.07	68.92
38S	72.99	75.03	77.47	80.86	82.86	85.35	79.32	78.08	75.13	74.70	68.37	64.81	73.26	75.43	71.82	70.36	67.30	69.69
42S	73.88	76.21	78.75	80.50	83.89	87.40	85.22	80.98	74.56	72.38	71.70	72.00	73.10	73.04	70.43	68.80	70.42	75.57
46S	75.92	77.85	79.40	80.89	85.55	86.89	84.32	80.48	74.08	71.68	69.18	67.82	67.32	69.17	70.74	70.06	77.40	84.42
50S	78.49	79.65	80.81	83.77	86.21	85.64	84.47	81.00	78.77	76.62	73.50	72.01	71.03	72.60	74.71	79.60	83.59	84.17
54S	86.25	86.02	85.29	86.93	87.46	86.84	85.62	83.94	83.49	81.16	79.61	78.84	78.19	79.93	82.75	87.24	91.14	88.75
58S	87.74	87.48	87.37	85.19	86.75	85.74	85.25	83.29	82.96	82.40	83.81	82.87	82.67	85.55	88.08	91.07	91.48	90.57
62S	88.43	83.87	85.05	79.80	81.56	80.58	80.60	80.90	84.92	83.56	83.51	84.86	83.90	86.78	88.54	88.97	88.60	90.34
66S	90.26	79.05	81.90	75.12	76.91	75.09	73.80	77.50	87.09	83.15	81.65	80.80	81.62	77.81	79.07	80.27	87.08	88.49
70S	90.51	81.18	89.76	80.30	89.56	80.12	71.59	71.59	71.59	71.84	89.46	59.84	75.00	53.04	54.27	65.64	92.13	85.06
74S	73.68	64.89	59.74	57.91	65.42	37.85	41.00	45.88	46.19	57.02	66.79	74.21	65.77	79.53	54.16	44.64	60.43	59.70
78S	73.08	74.80	70.78	70.67	74.50	44.26	43.28	39.34	37.11	42.02	56.74	78.97	48.53	61.58	43.02	49.28	58.96	66.03
82S	80.35	87.18	82.56	78.20	64.31	44.26	40.75	31.45	31.48	33.93	51.11	56.24	38.17	45.03	33.94	43.10	42.70	54.67
86S	81.80	81.80	73.48	66.08	47.68	42.95	34.96	28.56	32.25	36.29	50.20	37.60	38.56	43.58	33.65	31.15	26.27	35.19
90S	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26

Table 5.5A

APRIL TOTAL CLOUD COVER--N/Hem (tenths)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
78N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
74N	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
70N	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4
66N	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
62N	0.6	0.7	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.6
58N	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6
54N	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
50N	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.6
46N	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.7	0.7	0.7	0.7	0.7
42N	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7
38N	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.5	0.6	0.6
34N	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.4	0.4	0.4	0.5	0.6
30N	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.6	0.4	0.3	0.5	0.7	0.7
26N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.4	0.4	0.5	0.6	0.7
22N	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.5	0.6	0.7
18N	0.3	0.2	0.2	0.2	0.4	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.5	0.5
14N	0.3	0.2	0.2	0.2	0.4	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.5	0.5
10N	0.3	0.2	0.2	0.2	0.4	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.5	0.5
6N	0.3	0.2	0.2	0.2	0.4	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.5	0.5
2N	0.3	0.2	0.2	0.2	0.4	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.5	0.5
25N	0.3	0.2	0.2	0.2	0.4	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.5	0.5
65N	0.3	0.2	0.2	0.2	0.4	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.5	





Table 5.5A--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
91N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
92N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
93N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
94N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
95N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
96N	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
97N	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
98N	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8
99N	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8
100N	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.8	0.8	0.8
101N	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8
102N	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8
103N	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7
104N	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
105N	0.6	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7
106N	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6
107N	0.5	0.5	0.5	0.7	0.8	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5
108N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
109N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
110N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
111N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
112N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
113N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
114N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
115N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
116N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
117N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
118N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
119N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
120N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
121N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
122N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
123N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
124N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
125N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
126N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
127N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
128N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
129N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
130N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
131N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
132N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
133N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
134N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
135N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
136N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
137N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
138N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
139N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
140N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
141N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
142N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
143N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
144N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
145N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
146N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
147N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
148N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
149N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
150N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
151N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
152N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
153N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
154N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
155N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
156N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
157N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
158N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
159N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
160N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
161N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
162N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
163N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
164N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
165N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
166N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
167N	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.		

Table 5.5B

## APRIL TOTAL CLOUD COVER—GLOBE (tenths)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****																		
70N*****																		
66N*****																		
62N*****	0.8	0.9	0.8	0.9	0.8	0.8	0.9	0.8	0.7	0.7	0.9	0.7	0.8	0.9	0.8	1.0	1.0	1.0
58N*****	0.5	0.6	0.7	0.6	0.6	0.8	0.5	0.5	0.5	0.5	0.8	0.6	0.5	0.5	0.5	0.7	0.8	0.9
54N*****	0.6	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.8	0.6	0.6	0.5	0.5	0.4	0.6	0.6
50N*****	0.5	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.5	0.6	0.8	0.6	0.7	0.5	0.5	0.6	0.6
46N*****	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.7	0.6	0.6	0.6	0.5
42N*****	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.3	0.4	0.4	0.5	0.5	0.4	0.5
38N*****	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.4	0.3	0.6	0.4	0.4	0.4	0.4	0.4
34N*****	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.2	0.3	0.4	0.4	0.4	0.5
30N*****	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.3	0.2	0.2	0.4	0.4	0.5
26N*****	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.4	0.4	0.5	0.4	0.3	0.2	0.2	0.4	0.4	0.3
22N*****	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.3	0.2	0.2	0.3	0.3
18N*****	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.5	0.4	0.4	0.5	0.4	0.4	0.3	0.2	0.1	0.2	0.3
14N*****	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.4	0.4	0.3	0.4	0.3	0.2	0.1	0.1	0.1
10N*****	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.1	0.1
6N*****	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.3	0.3	0.3	0.4
2N*****	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2
25*****	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.1	0.2
65*****	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.3
10S*****	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2
14S*****	0.3	0.4	0.4	0.4	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.3	0.3
18S*****	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22S*****	0.3	0.2	0.3	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
26S*****	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.3	0.2
30S*****	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
34S*****	0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.4
38S*****	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5
42S*****	0.4	0.5	0.4	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5
46S*****	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5
50S*****	0.6	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.5
54S*****	0.6	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
58S*****	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4
62S*****	0.6	0.3	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5
66S*****																		

70S\*\*\*\*\*  
74S\*\*\*\*\*  
78S\*\*\*\*\*  
82S\*\*\*\*\*  
86S\*\*\*\*\*  
90S\*\*\*\*\*

Table 5.5B--Continued





	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
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Table 5.6A

ANNUAL PRECIPITATION (mm/day)

	180M	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N*****																		
86N*****																		
82N*****																		
78N 0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
74N 0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
70N 0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
66N 1.10	1.10	1.21	1.10	0.77	0.78	1.11	1.11	1.11	1.16	1.16	1.11	0.96	0.77	0.63	0.53	0.50	0.52	0.60
62N 1.65	1.64	1.64	1.52	1.36	1.55	3.29	5.42	5.42	5.45	1.34	1.23	1.22	1.00	0.65	0.65	0.63	0.64	0.79
58N 2.25	2.19	2.12	2.12	2.12	2.12	2.70	4.66	7.12	7.40	3.01	2.93	1.61	1.22	0.95	0.84	0.83	0.87	1.01
54N 2.90	2.91	2.92	2.93	2.93	2.96	4.11	4.52	5.13	5.63	5.21	5.48	2.47	1.37	1.19	1.08	1.07	1.16	1.22
50N 3.56	3.60	3.64	3.70	3.70	3.86	4.11	3.95	3.75	3.48	4.11	5.48	4.11	1.37	1.37	1.23	1.23	1.32	1.37
46N 4.27	4.32	4.37	4.54	4.54	4.61	4.66	4.54	4.21	3.87	3.69	4.10	3.45	1.10	1.37	1.12	1.23	1.36	1.81
42N 4.74	4.74	4.74	4.78	4.78	4.70	4.52	4.34	4.02	3.66	3.15	3.15	3.04	1.03	0.96	0.85	1.32	1.37	2.16
38N 4.67	4.58	4.50	4.35	4.19	3.97	3.97	3.69	3.38	3.17	2.59	2.40	2.41	1.03	0.68	0.68	1.15	1.51	2.49
34N 4.08	3.93	3.76	3.51	3.38	3.38	3.23	2.89	2.60	2.58	2.03	1.76	1.55	0.96	0.68	0.82	0.86	1.71	2.74
30N 3.29	3.21	3.04	2.82	2.74	2.74	2.47	2.19	2.05	1.92	1.40	1.23	0.90	0.68	0.68	1.37	1.03	1.71	2.74
26N 2.72	2.65	2.57	2.45	2.32	2.32	2.14	1.95	1.73	1.57	1.20	1.08	0.84	0.77	0.68	0.82	1.30	1.44	2.19
22N 2.57	2.51	2.42	2.28	2.29	2.29	2.14	1.99	1.68	1.41	1.32	1.30	1.20	1.18	1.08	1.10	2.19	1.37	2.47
18N 2.91	2.87	2.81	2.81	2.72	2.72	2.47	2.33	2.12	1.92	1.82	1.65	1.83	1.82	1.81	1.92	3.29	2.47	2.74
14N 3.84	3.84	3.84	3.84	3.73	3.73	3.40	3.29	3.29	3.29	2.95	2.56	3.01	3.01	3.39	3.59	4.68	4.63	3.81
10N 5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.14	5.14	5.48	5.48	6.85	6.99	6.99	6.71	8.08
6N 7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67
2N 5.75	4.85	4.65	3.82	3.29	3.29	3.42	3.56	3.56	3.56	4.07	4.03	3.91	3.29	3.15	3.11	3.07	2.77	2.79
25 4.66	3.48	2.46	2.16	1.73	1.73	1.70	1.64	1.64	1.64	1.55	1.42	1.17	1.04	0.79	0.62	0.44	0.35	0.25
65 5.75	5.21	3.56	3.45	3.05	3.05	2.89	2.65	2.51	2.43	2.29	2.05	1.67	1.51	1.19	0.88	0.48	0.40	0.31
105 6.85	6.85	6.85	6.51	6.16	6.16	5.67	5.01	4.33	3.95	3.77	3.42	2.85	2.60	2.12	1.92	1.32	1.03	0.68
145 6.85	6.85	6.85	6.51	6.16	6.16	5.52	5.34	4.92	4.65	4.59	4.52	3.68	3.81	3.16	2.85	2.39	1.87	1.51
185 6.03	6.03	6.03	5.89	5.67	5.67	5.34	5.29	5.07	5.03	4.89	4.79	4.33	4.26	3.84	3.37	2.91	2.48	2.00
225 5.16	5.18	5.21	5.28	5.20	5.20	5.14	5.08	4.96	5.02	4.87	4.74	4.40	4.36	4.13	3.67	3.22	2.77	2.27
265 4.53	4.59	4.68	4.86	4.86	4.90	4.89	4.84	4.79	4.74	4.68	4.61	4.51	4.35	4.16	3.84	3.42	2.87	2.47
305 3.89	4.00	4.22	4.40	4.56	4.56	4.58	4.55	4.55	4.53	4.48	4.44	4.36	4.30	4.14	3.84	3.42	3.08	2.74
345 3.19	3.36	3.82	4.04	4.24	4.24	4.27	4.30	4.32	4.33	4.30	4.30	4.22	4.19	4.03	3.77	3.48	3.18	3.02
385 2.05	3.04	3.43	3.54	3.93	3.93	3.97	4.03	4.04	4.06	4.05	4.04	3.99	3.93	3.83	3.67	3.49	3.30	3.22
425 2.74	2.85	3.12	3.26	3.63	3.63	3.68	3.73	3.74	3.76	3.79	3.79	3.76	3.66	3.61	3.54	3.49	3.32	3.27
465 2.75	2.76	2.95	3.20	3.36	3.36	3.40	3.42	3.45	3.47	3.55	3.57	3.54	3.44	3.40	3.37	3.42	3.24	3.20
505 2.77	2.82	2.90	3.01	3.12	3.12	3.14	3.15	3.18	3.21	3.23	3.26	3.23	3.21	3.18	3.15	3.12	3.10	3.07
545 2.77	2.78	2.83	2.88	2.93	2.93	2.94	2.95	2.97	2.99	3.01	3.02	3.00	2.94	2.94	2.93	2.93	2.92	2.92
585 2.51	2.59	2.62	2.64	2.66	2.66	2.68	2.68	2.68	2.68	2.68	2.70	2.69	2.66	2.66	2.67	2.67	2.68	2.68
625 2.19	2.30	2.33	2.37	2.38	2.38	2.39	2.40	2.39	2.39	2.39	2.39	2.38	2.38	2.38	2.40	2.40	2.42	2.43
665 1.90	1.98	2.01	2.09	2.11	2.11	2.11	2.12	2.12	2.12	2.13	2.13	2.09	2.08	2.08	2.09	2.11	2.13	2.16
705 1.59	1.66	1.70	1.81	1.84	1.84	1.84	1.84	1.84	1.81	1.81	1.81	1.75	1.70	1.67	1.70	1.74	1.78	1.79
745 1.45	1.50	1.53	1.59	1.62	1.62	1.63	1.65	1.65	1.65	1.65	1.65	1.44	1.41	1.42	1.44	1.50	1.54	1.54
785*****																		
825*****																		
865*****																		
905*****																		

Table 5.6A--Continued

	90M	85M	80M	75M	70M	65M	60M	55M	50M	45M	40M	35M	30M	25M	20M	15M	10M	5M
90N	0.49	0.55	0.64	0.71	0.68	0.62	0.68	0.71	0.55	0.63	0.90	1.37	1.18	1.26	1.37	1.59	1.70	1.84
86N	0.62	0.64	0.65	0.69	0.86	0.93	1.23	1.51	0.65	0.67	1.82	2.44	2.43	2.25	2.47	2.51	2.62	2.73
82N	0.82	0.85	0.90	0.93	1.04	1.21	1.78	2.32	1.90	1.92	2.78	3.14	3.23	3.12	3.17	3.17	3.21	2.93
78N	0.31	0.35	0.36	0.40	0.32	0.31	0.32	0.31	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
74N	0.39	0.47	0.52	0.53	0.44	0.42	0.44	0.44	0.39	0.51	0.67	0.80	0.72	0.71	0.77	0.89	1.08	1.24
70N	0.49	0.55	0.64	0.71	0.68	0.62	0.68	0.71	0.55	0.63	0.90	1.37	1.18	1.26	1.37	1.59	1.70	1.84
66N	0.62	0.64	0.65	0.69	0.86	0.93	1.23	1.51	0.65	0.67	1.82	2.44	2.43	2.25	2.47	2.51	2.62	2.73
62N	0.82	0.85	0.90	0.93	1.04	1.21	1.78	2.32	1.90	1.92	2.78	3.14	3.23	3.12	3.17	3.17	3.21	2.93
58N	1.06	1.05	1.18	1.30	1.36	1.51	2.05	2.79	2.95	3.10	3.60	3.71	3.80	3.78	3.62	3.44	3.25	2.85
54N	1.30	1.23	1.44	1.71	1.83	1.88	2.15	2.85	3.32	3.72	4.12	4.14	4.16	4.14	3.95	3.63	2.95	2.76
50N	1.53	1.53	1.71	2.08	2.30	2.38	2.52	2.74	3.42	4.00	4.14	4.16	4.18	4.15	4.11	3.45	2.96	2.74
46N	2.01	2.06	2.26	2.61	2.76	2.84	2.97	3.34	3.75	3.89	3.94	3.92	3.79	3.75	3.56	3.34	2.96	2.83
42N	2.41	2.44	2.60	3.11	3.21	3.25	3.33	3.45	3.38	3.24	3.20	3.18	3.11	3.08	2.99	2.94	2.83	1.96
38N	2.93	3.10	3.29	3.68	3.70	3.47	3.19	3.12	2.76	2.50	2.39	2.37	2.35	2.42	2.40	2.25	2.09	1.36
34N	3.33	3.75	4.07	4.17	3.97	3.32	2.63	2.52	2.14	1.87	1.69	1.67	1.65	1.81	1.79	1.45	0.99	1.11
30N	2.96	3.42	3.89	4.14	3.42	2.63	2.19	1.92	1.59	1.26	1.00	1.03	1.04	1.14	1.15	0.92	0.48	0.16
26N	2.18	2.39	3.41	3.68	2.82	2.28	1.97	1.50	1.14	0.78	0.69	0.64	0.62	0.67	0.56	0.35	0.19	0.12
22N	2.44	2.17	2.88	3.11	2.79	2.55	2.37	1.37	0.86	0.63	0.56	0.48	0.41	0.37	0.30	0.26	0.17	0.14
18N	3.84	4.05	2.41	2.21	2.22	2.22	2.70	1.64	1.14	0.92	0.72	0.55	0.47	0.42	0.59	0.73	0.76	0.56
14N	6.02	7.12	2.93	1.75	1.26	1.64	3.29	2.47	2.19	1.92	1.62	1.25	1.02	1.32	1.85	2.74	2.26	1.74
10N	8.19	8.19	6.16	3.56	1.37	2.74	5.48	4.11	4.11	4.11	3.97	3.42	2.47	3.84	4.66	8.22	4.93	4.11
6N	7.12	7.34	8.90	5.10	4.66	7.12	6.03	6.30	6.85	6.30	6.38	6.16	5.95	6.03	5.86	6.63	7.56	5.18
2N	2.90	3.34	7.12	6.30	7.12	8.20	6.58	6.85	7.95	6.44	6.08	4.79	5.19	4.44	4.09	3.81	4.54	3.41
25	0.24	0.55	4.38	6.83	7.95	7.71	6.85	6.30	7.12	5.23	3.84	3.29	3.51	2.27	1.90	1.59	1.52	1.51
65	0.24	0.15	2.22	7.08	7.22	6.74	6.76	5.62	5.04	3.62	1.37	3.12	2.49	1.10	0.66	0.63	0.60	0.60
105	0.48	0.14	0.12	8.22	5.95	5.75	6.41	6.16	3.29	2.74	1.37	3.29	2.05	0.90	0.55	0.41	0.27	0.26
145	1.19	0.19	0.13	1.86	3.36	4.33	5.12	5.40	3.95	2.74	4.66	3.95	2.16	1.23	0.93	0.81	0.71	0.51
185	1.58	0.66	0.22	0.16	1.17	2.41	3.97	4.63	4.11	3.23	4.29	3.70	2.52	1.79	1.55	1.32	1.15	0.99
225	1.85	0.94	0.30	0.13	0.13	1.46	3.15	4.19	3.89	3.64	3.60	3.56	3.01	2.54	2.28	2.02	1.78	1.58
265	2.12	1.08	0.42	0.16	0.24	1.55	2.74	3.97	3.53	3.74	3.84	3.86	3.50	3.36	3.07	2.85	2.60	2.26
305	2.40	1.71	0.75	0.27	0.48	1.37	2.74	3.42	3.42	3.64	4.11	4.22	4.21	4.11	3.86	3.59	3.42	3.08
345	2.85	2.64	2.40	2.25	0.68	1.64	2.41	2.75	2.88	3.45	4.09	4.24	4.35	4.38	4.25	4.07	3.88	3.63
385	3.11	3.01	2.90	4.38	0.68	1.11	1.75	2.12	2.53	3.21	3.89	4.21	4.38	4.46	4.45	4.36	4.27	4.24
425	3.18	3.07	2.95	5.48	0.68	0.65	1.23	1.90	2.42	2.99	3.70	4.16	4.35	4.46	4.50	4.47	4.46	4.52
465	3.12	3.02	3.03	7.12	0.67	0.58	1.14	2.05	2.47	2.85	3.55	4.06	4.25	4.40	4.42	4.42	4.43	4.43
505	2.99	2.93	3.42	13.70	0.66	0.68	1.59	2.19	2.47	2.85	3.40	3.77	4.11	4.18	4.23	4.25	4.29	4.29
545	2.92	2.93	3.05	7.12	4.52	2.11	2.13	2.24	2.40	2.67	2.96	3.22	3.43	3.58	3.61	3.68	3.77	3.77
585	2.72	2.79	2.82	3.83	3.82	2.48	2.32	2.25	2.30	2.42	2.55	2.68	2.80	2.88	2.93	3.02	3.10	3.10
625	2.46	2.52	2.55	2.54	2.53	2.37	2.27	2.18	2.18	2.18	2.21	2.22	2.26	2.29	2.32	2.41	2.45	2.42
665	2.15	2.17	2.18	2.17	2.15	2.08	2.05	1.99	1.99	1.93	1.92	1.85	1.82	1.82	1.81	1.83	1.85	1.76
705	1.78	1.79	1.81	1.79	1.77	1.71	1.68	1.67	1.67	1.55	1.59	1.49	1.42	1.34	1.26	1.21	1.14	1.03
745	1.54	1.52	1.46	1.41	1.39	1.39	1.41	1.42	1.43	1.37	1.30	1.21	1.11	0.98	0.87	0.70	0.60	0.42
785	1.22	1.21	1.17	1.14	1.14	1.13	1.15	1.14	1.15	1.04	0.97	0.87	0.76	0.64	0.54	0.39	0.33	0.23
825	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
865	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
905	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85

Table 5.6A--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N*****																		
86N	0.51	0.58	0.60	0.61	0.62	0.63	0.63	0.62	0.60	0.58	0.57	0.56	0.56	0.56	0.55	0.55	0.53	0.53
82N	0.59	0.73	0.76	0.80	0.81	0.82	0.81	0.77	0.73	0.64	0.63	0.62	0.62	0.62	0.61	0.60	0.59	0.58
78N	0.83	0.98	1.01	1.04	1.04	1.04	1.02	0.97	0.93	0.83	0.79	0.72	0.66	0.65	0.65	0.64	0.63	0.62
74N	1.31	1.38	1.40	1.34	1.53	1.24	1.24	1.19	1.17	1.08	0.98	0.82	0.67	0.67	0.68	0.71	0.75	0.75
70N	2.05	2.07	2.03	1.78	2.74	1.34	1.37	1.36	1.34	1.12	0.93	0.79	0.68	0.68	0.79	0.90	1.12	1.10
66N	2.78	2.63	2.05	1.73	1.65	1.39	1.38	1.20	1.31	1.32	1.30	1.20	1.23	1.21	1.24	1.28	1.38	1.29
62N	2.83	4.39	2.46	1.53	1.38	1.38	1.54	1.66	1.51	1.45	1.42	1.80	1.37	1.38	1.32	1.39	1.39	1.37
58N	2.55	4.12	2.48	1.53	1.64	1.67	1.83	1.79	1.53	1.45	1.41	1.32	1.37	1.22	1.19	1.22	1.14	1.38
54N	2.24	2.12	2.14	1.81	2.19	2.04	1.96	1.48	1.32	1.24	1.23	1.21	1.23	0.88	0.96	0.93	0.79	1.52
50N	2.08	2.26	2.19	2.19	2.74	1.71	1.37	1.37	1.10	0.70	0.67	0.68	0.64	0.58	0.68	0.62	0.68	2.05
46N	2.06	2.63	2.63	2.65	2.52	1.46	1.15	1.15	2.41	0.69	0.46	0.38	0.37	0.32	0.58	0.55	1.78	0.90
42N	1.64	1.91	1.92	2.75	2.65	1.55	1.26	1.10	1.93	1.10	0.49	0.30	0.28	0.52	1.04	0.36	0.91	0.33
38N	1.37	1.10	1.10	2.11	2.10	1.53	1.26	1.48	1.06	1.37	0.60	0.40	0.35	0.97	1.38	0.38	0.36	0.27
34N	1.12	0.57	0.58	0.96	0.92	1.12	0.90	1.67	0.45	1.14	0.68	0.58	0.52	1.21	1.24	0.71	1.64	0.66
30N	0.14	0.12	0.14	0.14	0.21	0.14	0.14	0.14	0.07	0.22	0.68	0.70	0.68	0.48	0.62	1.37	5.48	1.37
26N	0.08	0.08	0.08	0.06	0.07	0.06	0.06	0.12	0.25	0.18	0.30	0.36	0.58	0.59	0.67	2.44	3.30	4.11
22N	0.14	0.16	0.10	0.08	0.08	0.06	0.06	0.21	0.24	0.15	0.19	0.19	0.30	1.05	1.71	2.32	2.95	3.97
18N	0.53	0.54	0.44	0.31	0.34	0.32	0.32	0.58	0.40	0.19	0.13	0.22	0.96	1.93	2.81	2.32	2.96	3.69
14N	1.53	1.60	1.41	1.04	1.09	1.10	0.96	1.40	0.96	0.36	0.32	0.55	1.72	3.07	3.56	3.54	2.76	4.09
10N	3.51	3.89	3.42	2.73	2.73	2.74	2.05	2.88	2.05	0.68	0.48	1.37	3.10	4.14	4.11	6.85	2.74	4.11
6N	2.89	7.35	5.62	3.83	3.72	3.84	3.04	1.67	1.51	0.52	0.97	3.01	4.45	5.21	5.10	5.10	5.33	4.13
2N	2.29	4.73	5.29	4.03	4.88	4.27	3.78	2.19	1.04	1.75	2.90	4.66	5.48	6.04	5.98	5.64	5.33	5.44
25	1.47	1.72	3.87	3.75	5.21	4.27	3.56	2.47	1.86	3.53	4.69	5.76	6.19	6.59	6.61	6.61	6.57	6.77
65	0.59	0.61	1.13	3.34	4.65	3.84	2.78	2.25	3.29	5.05	5.56	6.10	6.43	6.68	6.81	6.97	7.14	7.29
10S	0.22	0.21	0.23	3.08	4.10	2.74	3.01	3.01	2.74	5.51	5.56	5.81	5.95	5.97	6.41	6.52	6.64	6.52
14S	0.37	0.22	0.17	2.81	2.99	2.73	2.52	2.85	2.74	4.39	6.59	5.00	5.02	5.03	5.17	5.68	5.77	5.74
18S	0.59	0.42	0.18	1.71	1.90	1.90	1.85	2.85	2.00	3.29	6.03	4.18	3.93	3.81	3.79	3.99	3.90	3.85
22S	1.06	0.74	0.34	0.67	1.03	1.38	1.87	2.85	1.44	2.47	4.60	3.33	3.03	2.85	2.74	2.64	2.51	2.33
26S	1.77	1.22	0.67	0.16	0.53	1.42	2.52	2.85	1.48	1.99	3.04	2.59	2.52	2.33	2.18	2.05	2.05	1.79
30S	2.51	1.99	1.14	0.23	0.44	1.34	2.74	3.01	2.05	1.71	2.05	2.22	2.40	2.08	2.03	2.00	2.03	2.04
34S	3.26	2.92	2.57	2.24	1.73	2.46	3.18	3.18	2.78	2.51	2.33	2.39	2.45	2.38	2.35	2.33	2.32	2.38
38S	3.95	3.73	3.54	3.40	3.15	3.56	3.80	3.77	3.57	3.35	3.01	2.95	2.84	2.79	2.79	2.81	2.93	3.04
42S	4.36	4.25	4.15	4.08	4.07	4.20	4.20	4.20	4.08	3.93	3.72	3.62	3.53	3.24	3.27	3.40	3.62	3.71
46S	4.43	4.44	4.44	4.43	4.36	4.32	4.30	4.28	4.23	4.18	4.15	4.12	3.78	3.62	3.64	3.89	4.12	4.14
50S	4.30	4.32	4.34	4.33	4.30	4.30	4.29	4.26	4.23	4.19	4.16	4.14	4.03	3.77	3.73	3.95	4.16	4.15
54S	3.73	3.85	3.88	4.02	3.97	4.04	4.06	4.12	4.13	4.04	3.97	3.84	3.75	3.58	3.53	3.66	3.76	3.84
58S	3.08	3.21	3.23	3.31	3.30	3.34	3.36	3.39	3.41	3.37	3.33	3.23	3.18	3.11	3.07	3.10	3.12	3.15
62S	2.42	2.49	2.49	2.48	2.48	2.48	2.49	2.56	2.57	2.50	2.44	2.46	2.46	2.46	2.46	2.43	2.44	2.38
66S	1.76	1.73	1.70	1.67	1.64	1.62	1.62	1.76	1.74	1.56	1.42	1.49	1.60	1.67	1.75	1.66	1.62	1.58
70S	1.01	0.89	0.85	0.85	0.85	0.79	0.82	0.79	0.68	0.44	0.27	0.27	0.48	0.68	0.93	0.67	0.63	0.52
74S	0.39	0.29	0.27	0.27	0.27	0.26	0.26	0.27	0.27	0.25	0.25	0.25	0.33	0.58	0.60	0.52	0.45	0.32
78S	0.20	0.15	0.13	0.13	0.12	0.11	0.10	0.13	0.15	0.17	0.21	0.26	0.33	0.37	0.36	0.32	0.25	0.18
82S	0.16	0.16	0.15	0.15	0.13	0.11	0.10	0.12	0.12	0.13	0.15	0.16	0.18	0.19	0.19	0.17	0.13	0.13
86S	0.20	0.19	0.19	0.18	0.16	0.15	0.14	0.13	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13
90S*****																		

Table 5.6A--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.56	0.56	0.56	0.56	0.56	0.58	0.58	0.58	0.58
86N	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.56	0.56	0.56	0.56	0.56	0.56	0.58	0.58	0.58	0.58
82N	0.58	0.58	0.55	0.59	0.59	0.58	0.57	0.56	0.61	0.61	0.61	0.61	0.61	0.59	0.58	0.58	0.58	0.58
78N	0.65	0.69	0.68	0.65	0.67	0.65	0.63	0.62	0.61	0.61	0.61	0.61	0.61	0.59	0.58	0.58	0.58	0.58
74N	0.84	0.91	0.83	0.75	0.73	0.68	0.63	0.65	0.65	0.65	0.64	0.64	0.64	0.62	0.62	0.63	0.63	0.63
70N	1.37	1.37	1.14	1.00	0.79	0.71	0.67	0.68	0.68	0.67	0.70	0.67	0.67	0.66	0.66	0.68	0.67	0.69
66N	1.37	1.30	1.16	1.00	0.84	0.69	0.67	0.70	0.70	0.68	0.70	0.70	0.68	0.77	0.68	1.12	0.88	1.05
62N	1.37	1.30	1.13	0.96	1.02	0.89	0.68	0.77	0.69	0.68	1.06	1.11	1.08	1.10	1.05	1.26	1.54	1.54
58N	1.36	1.34	1.17	1.06	0.97	1.11	0.92	1.04	0.98	1.01	1.32	1.41	1.49	1.59	1.77	1.72	1.85	2.22
54N	1.22	1.23	1.15	1.15	0.71	1.12	1.27	1.37	1.41	1.60	1.32	1.58	1.82	2.16	2.56	2.45	2.60	2.98
50N	0.68	0.68	0.68	0.71	0.71	0.66	1.29	1.38	1.37	1.99	1.84	1.97	2.27	2.71	2.96	3.16	3.42	3.51
46N	0.52	0.66	0.52	0.50	0.36	0.82	1.08	1.37	1.79	2.26	2.65	2.59	2.82	3.11	3.46	3.74	3.97	4.16
42N	0.27	0.39	0.32	0.43	0.73	1.16	1.36	2.06	2.39	2.99	4.43	3.64	3.50	3.62	3.90	4.28	4.53	4.74
38N	0.39	0.46	0.53	0.78	1.16	1.37	1.78	2.61	3.28	4.25	5.44	4.41	3.98	3.92	4.11	4.46	4.94	4.66
34N	0.96	1.12	1.21	1.62	1.76	1.78	2.24	3.01	4.45	5.54	5.34	4.65	4.15	3.91	3.97	4.15	4.79	4.19
30N	1.64	2.19	3.12	2.71	3.34	3.42	2.99	4.11	5.82	5.78	5.23	4.63	4.11	3.67	3.42	3.42	3.42	3.29
26N	6.90	5.37	1.92	3.83	4.44	3.70	2.79	5.81	5.88	5.32	4.88	4.39	3.89	3.04	2.85	2.82	2.79	2.76
22N	6.99	4.11	4.25	4.93	4.61	3.73	4.59	6.41	6.05	5.35	5.00	4.59	4.00	3.19	2.72	2.68	2.63	2.63
18N	5.73	4.49	5.05	5.47	4.78	4.41	5.99	7.04	6.44	5.76	5.55	5.27	4.71	3.99	3.47	3.25	3.16	3.04
14N	5.15	7.14	5.44	5.46	5.16	5.85	6.52	7.89	6.85	6.51	6.47	6.27	5.91	5.27	4.93	4.38	4.14	3.97
10N	5.48	7.19	5.48	5.48	5.26	7.36	7.67	8.22	6.85	7.67	7.67	7.26	7.10	6.85	6.30	5.45	5.26	5.26
6N	5.83	8.01	6.79	6.47	7.08	8.05	8.11	8.27	7.07	7.01	7.56	8.03	8.10	8.49	8.93	8.76	8.94	8.07
2N	6.35	8.01	7.78	7.06	8.03	8.26	7.73	7.75	6.96	6.85	7.53	7.85	7.95	8.00	7.86	7.45	7.23	6.18
25	7.02	7.79	8.08	7.11	8.36	8.40	7.84	7.78	7.40	7.40	7.92	8.00	8.00	8.00	7.32	6.47	5.81	5.90
65	7.36	7.39	7.54	6.71	7.85	7.95	7.89	7.75	7.53	7.49	7.75	7.92	8.16	8.27	8.27	7.37	6.68	8.05
105	6.41	6.25	6.18	6.16	5.82	5.48	5.48	5.32	4.79	4.58	4.79	5.21	6.85	8.22	8.49	8.36	8.22	7.95
145	5.12	4.54	3.43	2.93	2.81	3.01	3.56	3.25	2.88	2.93	3.52	3.78	4.88	5.97	6.63	7.33	7.50	7.34
185	3.15	2.45	1.71	1.26	1.19	1.47	1.95	1.71	1.58	1.64	2.10	2.81	3.70	4.48	5.14	5.91	6.21	6.16
225	1.75	1.35	1.10	0.82	0.62	0.78	1.04	0.89	0.86	0.90	1.09	1.29	2.91	3.55	4.13	4.77	5.07	5.13
265	1.44	1.51	1.38	1.23	0.90	0.82	0.79	0.66	0.66	0.66	0.67	1.27	2.90	3.06	3.60	4.13	4.36	4.50
305	2.03	2.05	2.05	2.05	2.05	1.37	0.68	0.55	0.55	0.66	0.67	0.85	1.92	2.99	3.42	3.75	4.00	3.97
345	2.41	2.47	2.52	2.60	2.75	2.52	2.33	2.30	2.30	1.23	0.96	1.16	2.58	3.06	3.42	3.67	3.85	3.48
385	3.06	3.18	3.31	3.46	3.62	3.59	3.58	3.60	3.56	2.68	2.26	1.73	2.74	3.04	3.38	3.45	3.27	2.99
425	3.74	3.85	3.98	4.08	4.18	4.19	4.20	4.22	4.15	3.79	3.34	2.47	2.78	3.02	3.25	3.16	2.95	2.63
465	4.21	4.24	4.28	4.28	4.28	4.28	4.28	4.27	4.21	4.13	3.72	3.12	2.90	3.04	3.07	2.94	2.79	2.56
505	4.19	4.22	4.25	4.25	4.23	4.22	4.21	4.18	4.15	4.11	3.70	3.29	3.08	3.04	3.01	3.08	3.01	2.96
545	3.84	3.86	3.92	3.86	3.81	3.69	3.58	3.47	3.30	3.19	2.93	2.84	2.74	2.69	2.68	2.76	2.79	2.83
585	3.15	3.15	3.18	3.14	3.02	2.94	2.83	2.71	2.60	2.52	2.41	2.40	2.36	2.34	2.34	2.37	2.45	2.49
625	2.38	2.38	2.38	2.38	2.29	2.24	2.15	2.09	2.05	2.01	1.99	1.98	1.97	1.98	1.98	2.04	2.08	2.11
665	1.57	1.57	1.56	1.58	1.60	1.56	1.48	1.49	1.48	1.47	1.46	1.45	1.47	1.49	1.51	1.62	1.65	1.75
705	0.44	0.47	0.48	0.51	0.55	0.56	0.58	0.55	0.53	0.53	0.55	0.56	0.59	0.67	0.68	0.71	1.03	1.37
745	0.27	0.28	0.29	0.30	0.32	0.32	0.31	0.31	0.32	0.33	0.39	0.46	0.51	0.59	0.64	0.71	0.93	1.19
785	0.18	0.18	0.20	0.21	0.22	0.24	0.25	0.25	0.27	0.29	0.34	0.41	0.44	0.49	0.54	0.60	0.68	0.79
825	0.14	0.16	0.16	0.18	0.19	0.22	0.24	0.25	0.26	0.28	0.30	0.34	0.36	0.36	0.36	0.36	0.36	0.36
865	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
905	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18

Table 5.6B

MARCH-APRIL-MAY PRECIPITATION (mm/day)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90W	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
85W	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
80W	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
78W	0.11	0.11	0.12	0.12	0.13	0.12	0.12	0.13	0.13	0.13	0.14	0.11	0.13	0.13	0.13	0.13	0.13	0.13
74W	0.12	0.12	0.16	0.17	0.19	0.16	0.17	0.18	0.18	0.18	0.20	0.15	0.19	0.21	0.21	0.19	0.21	0.23
70W	0.16	0.16	0.22	0.26	0.27	0.27	0.29	0.27	0.27	0.25	0.27	0.27	0.27	0.38	0.38	0.29	0.27	0.27
66W	0.24	0.25	0.48	0.62	0.49	0.36	0.50	0.49	0.49	0.36	0.41	0.49	0.54	0.56	0.47	0.36	0.41	0.41
62W	0.44	0.51	0.75	1.01	0.88	0.75	1.54	1.21	0.88	0.65	0.51	0.48	0.58	0.60	0.51	0.47	0.51	0.54
58W	0.95	0.97	1.19	1.60	1.56	1.52	2.29	1.89	1.89	1.90	2.09	0.70	0.78	0.67	0.66	0.65	0.66	0.69
54W	1.76	1.65	1.85	2.33	2.37	2.42	2.55	2.84	3.12	3.43	4.34	1.76	1.14	0.84	0.93	0.88	0.88	0.89
50W	2.64	2.53	2.64	2.86	2.86	2.86	3.08	3.19	3.30	3.08	4.12	4.40	1.32	1.10	1.15	1.04	1.10	1.15
46W	3.08	3.05	3.16	3.21	3.12	3.12	3.16	3.10	3.03	2.73	2.67	2.68	1.14	1.27	1.29	1.53	1.54	1.55
42W	2.92	2.89	2.93	2.90	2.82	2.79	2.73	2.65	2.57	2.31	1.98	1.89	1.10	0.99	1.19	1.65	1.91	1.98
38W	2.62	2.54	2.54	2.53	2.43	2.35	2.15	2.08	1.91	1.69	1.41	1.32	1.10	0.57	0.77	1.27	2.04	2.22
34W	2.31	2.20	2.18	2.20	2.03	1.91	1.60	1.48	1.16	0.96	0.76	0.71	0.93	0.27	0.27	0.66	1.89	2.25
30W	1.87	1.76	1.65	1.54	1.37	1.21	0.99	0.82	0.55	0.38	0.27	0.26	0.26	0.26	0.26	0.46	1.54	2.22
26W	1.52	1.32	1.16	1.10	0.98	0.90	0.73	0.65	0.46	0.30	0.26	0.23	0.23	0.23	0.23	0.30	0.97	1.31
22W	1.30	1.11	1.01	0.96	0.91	0.86	0.76	0.70	0.60	0.45	0.36	0.32	0.25	0.25	0.25	0.26	0.73	1.09
18W	1.60	1.42	1.34	1.26	1.22	1.10	1.04	1.05	1.00	0.91	0.79	0.80	0.69	0.73	0.77	0.88	1.10	1.19
14W	2.59	2.44	2.33	2.15	2.00	1.80	1.76	1.85	1.85	1.98	1.99	2.02	1.63	2.02	2.07	2.20	2.11	1.73
10W	4.18	4.29	4.18	3.74	3.41	3.30	3.30	3.30	3.52	4.18	4.40	4.40	4.40	4.40	4.18	3.74	3.52	3.35
6W	6.11	6.13	5.41	5.85	5.52	5.93	5.93	5.93	6.07	6.20	6.15	5.98	5.98	5.32	4.88	4.26	3.16	2.34
2W	5.14	4.95	4.26	4.40	4.07	4.09	4.09	4.29	4.66	4.66	4.48	4.20	3.81	3.21	2.68	2.09	1.49	1.07
25	4.31	3.98	3.34	2.95	2.44	2.18	2.07	2.20	2.42	2.40	2.22	1.96	1.54	1.16	0.79	0.43	0.28	0.28
65	4.66	4.35	3.65	3.08	2.26	1.98	1.63	1.43	1.10	1.03	0.92	0.76	0.54	0.43	0.32	0.24	0.16	0.13
105	5.27	5.05	4.62	4.40	3.41	2.64	1.98	1.65	1.10	0.99	0.88	0.71	0.49	0.38	0.27	0.20	0.14	0.11
145	5.63	5.49	5.41	5.27	4.90	4.13	3.91	2.91	2.51	1.96	1.49	1.02	0.80	0.74	0.58	0.39	0.25	0.22
185	5.58	5.41	5.41	5.30	4.95	4.57	4.40	3.69	3.25	2.69	2.18	1.84	1.67	1.32	0.99	0.70	0.47	0.36
225	5.01	4.88	4.84	4.73	4.33	4.18	4.00	3.67	3.34	2.93	2.51	2.33	2.23	1.89	1.62	1.25	0.89	0.64
265	4.09	4.04	3.91	3.78	3.48	3.31	3.22	3.07	2.96	2.71	2.46	2.36	2.32	2.31	2.27	1.93	1.49	1.08
305	3.30	3.08	2.86	2.64	2.47	2.47	2.47	2.47	2.47	2.36	2.42	2.47	2.47	2.47	2.45	2.40	2.20	1.65
345	2.86	2.64	2.42	2.36	2.29	2.29	2.29	2.32	2.47	2.49	2.68	2.74	2.78	2.78	2.73	2.66	2.55	2.31
385	2.68	2.59	2.44	2.43	2.41	2.41	2.41	2.48	2.60	2.66	2.88	2.97	2.99	3.05	3.10	3.11	3.10	3.03
425	2.67	2.67	2.61	2.62	2.61	2.62	2.62	2.68	2.82	2.88	3.05	3.21	3.25	3.36	3.47	3.57	3.67	4.23
465	2.69	2.70	2.70	2.72	2.70	2.71	2.74	2.79	3.02	3.10	3.23	3.42	3.52	3.63	3.73	3.91	4.08	4.23
505	2.58	2.60	2.60	2.60	2.60	2.58	2.73	2.75	3.02	3.19	3.41	3.46	3.52	3.63	3.68	3.96	4.12	4.23
545	2.49	2.50	2.50	2.50	2.50	2.49	2.65	2.66	2.80	2.92	3.14	3.29	3.34	3.36	3.46	3.52	3.70	3.70
585	2.39	2.39	2.37	2.39	2.39	2.39	2.45	2.47	2.62	2.63	2.71	2.78	2.80	2.80	2.85	2.85	2.97	3.08
625	2.10	2.06	2.04	2.06	2.10	1.97	1.95	1.99	2.04	1.92	1.92	1.97	1.92	1.92	1.92	1.92	2.00	2.09
665	1.59	1.49	1.49	1.48	1.57	1.31	1.25	1.29	1.20	1.02	1.02	1.11	1.02	1.02	1.02	1.02	1.02	1.02
705	0.93	0.88	0.88	0.82	0.82	0.82	0.77	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
745	0.49	0.50	0.50	0.49	0.43	0.38	0.39	0.36	0.36	0.36	0.36	0.36	0.36	0.41	0.41	0.36	0.36	0.36
785	0.25	0.26	0.26	0.26	0.23	0.21	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.23	0.24	0.22	0.22	0.22
825	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17
865	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
905	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13

Table 5.6B--Continued

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
86N	0.12	0.12	0.12	0.12	0.16	0.20	0.25	0.25	0.25	0.25	0.28	0.28	0.28	0.30	0.30	0.26	0.30	0.30
82N	0.12	0.12	0.12	0.12	0.16	0.18	0.18	0.18	0.18	0.18	0.22	0.25	0.25	0.28	0.28	0.28	0.36	0.36
78N	0.18	0.17	0.17	0.16	0.21	0.21	0.20	0.18	0.15	0.12	0.16	0.21	0.22	0.26	0.32	0.33	0.40	0.42
74N	0.27	0.24	0.24	0.22	0.29	0.28	0.34	0.33	0.27	0.15	0.16	0.21	0.22	0.32	0.46	0.44	0.47	0.49
70N	0.27	0.33	0.33	0.33	0.33	0.29	0.38	0.55	0.49	0.19	0.22	0.24	0.55	0.55	0.66	0.57	0.60	0.60
66N	0.37	0.39	0.46	0.51	0.46	0.58	0.52	0.64	0.98	0.21	0.37	1.02	0.99	1.08	1.01	1.87	0.65	1.00
62N	0.45	0.43	0.45	0.58	0.49	0.92	0.81	0.92	1.23	0.81	1.09	1.54	1.53	1.64	1.69	2.20	1.61	1.63
58N	0.56	0.48	0.74	0.80	0.74	1.08	0.99	1.21	1.49	1.49	1.80	2.26	2.32	2.47	2.40	2.20	2.09	1.98
54N	0.75	0.66	1.16	1.21	1.22	1.22	1.19	1.55	1.91	2.20	2.60	3.29	3.30	3.37	2.88	2.20	1.93	2.02
50N	1.10	1.10	1.43	1.65	1.92	1.92	1.92	2.26	2.53	3.30	4.23	4.34	4.18	3.52	2.97	2.20	2.20	2.20
46N	1.80	2.00	1.87	2.09	2.27	2.58	2.58	2.74	3.01	3.34	3.53	3.51	3.38	3.16	2.88	2.68	2.42	2.11
42N	2.19	2.30	2.21	2.36	2.43	2.51	2.76	2.89	3.00	3.05	2.99	2.84	2.67	2.42	2.33	2.31	2.33	4.13
38N	2.33	2.36	2.38	2.45	2.48	2.56	2.67	2.75	2.74	2.65	2.51	2.29	2.10	1.85	1.82	1.80	1.96	4.00
34N	2.31	2.36	2.40	2.40	2.45	2.43	2.42	2.33	2.29	2.13	1.96	1.76	1.63	1.55	1.46	1.41	1.36	1.48
30N	2.22	2.24	2.31	2.31	2.31	2.22	1.98	1.65	1.54	1.32	1.21	1.10	1.10	1.04	0.93	0.88	0.66	0.38
26N	1.31	1.59	2.13	2.22	1.82	1.41	1.10	0.99	0.84	0.70	0.65	0.62	0.62	0.52	0.41	0.39	0.29	0.20
22N	1.09	1.36	1.66	3.45	2.00	1.08	0.81	0.65	0.54	0.46	0.40	0.36	0.35	0.30	0.24	0.19	0.15	0.11
18N	1.49	1.67	1.22	2.84	1.54	0.81	0.90	0.62	0.50	0.45	0.37	0.31	0.26	0.25	0.23	0.16	0.15	0.16
14N	2.33	2.64	1.67	0.86	0.66	0.66	1.32	1.03	0.75	0.71	0.64	0.58	0.46	0.66	0.42	0.49	1.05	1.11
10N	3.30	4.40	4.40	1.65	1.10	1.10	2.20	2.09	1.54	1.54	1.43	1.43	1.21	2.25	1.10	1.65	4.40	4.51
6N	1.98	2.64	3.08	2.97	3.56	2.86	3.78	7.89	3.82	3.12	3.45	3.80	4.46	4.85	4.62	4.81	6.07	6.18
2N	0.89	1.12	1.76	4.75	5.30	4.42	5.23	9.01	8.35	4.04	3.96	4.33	4.62	4.18	3.52	3.23	3.58	3.49
25	0.28	0.31	0.77	6.07	5.91	5.34	6.02	8.09	9.23	4.84	5.01	4.33	3.08	2.66	1.48	1.10	1.09	0.97
65	0.12	0.16	0.27	6.20	5.27	5.49	6.02	6.75	6.33	5.05	5.71	4.40	1.36	0.65	0.37	0.24	0.24	0.25
105	0.11	0.12	0.25	4.62	3.52	5.05	5.49	5.60	5.27	3.30	2.20	4.40	1.10	0.41	0.22	0.11	0.16	0.16
145	0.15	0.16	0.23	2.68	2.46	4.26	4.26	4.55	4.57	2.42	5.71	2.64	1.05	0.45	0.25	0.17	0.19	0.18
185	0.26	0.22	0.24	1.01	1.04	2.29	3.30	3.96	4.40	3.52	5.27	2.03	1.08	0.65	0.44	0.32	0.24	0.22
225	0.48	0.37	0.28	0.24	0.26	1.54	3.03	4.00	4.40	3.96	3.52	1.81	1.19	0.90	0.73	0.57	0.47	0.36
265	0.85	0.66	0.44	0.29	0.27	1.93	3.38	4.40	4.18	3.07	2.14	1.65	1.34	1.19	1.10	0.93	0.86	0.66
305	1.37	1.10	0.88	0.41	0.27	0.88	3.74	4.40	3.30	2.14	1.92	1.65	1.54	1.54	1.54	1.37	1.21	1.10
345	2.03	1.76	1.49	1.40	0.93	1.49	3.21	3.34	2.24	1.92	1.75	1.87	1.89	1.98	2.07	2.03	2.00	1.89
385	3.02	2.88	3.16	3.96	1.10	1.19	2.09	2.19	1.81	1.90	1.97	2.11	2.15	2.20	2.25	2.25	2.24	2.19
425	3.90	4.04	4.75	6.15	0.86	0.73	1.30	1.57	1.81	2.05	2.21	2.27	2.30	2.31	2.32	2.31	2.30	2.29
465	4.40	4.88	5.67	6.59	0.49	0.51	1.21	1.67	2.07	2.28	2.35	2.36	2.37	2.36	2.36	2.34	2.33	2.31
505	4.40	5.05	5.93	4.40	0.49	0.55	1.65	2.20	2.42	2.47	2.53	2.46	2.46	2.36	2.33	2.32	2.29	2.29
545	4.04	4.53	5.58	5.71	3.88	3.19	2.97	2.64	2.46	2.47	2.37	2.30	2.28	2.14	2.22	2.22	2.22	2.22
585	3.30	3.32	3.78	3.97	3.37	2.94	2.64	2.29	2.13	2.01	1.92	1.89	1.78	1.69	1.70	1.77	1.80	1.84
625	2.18	2.05	2.07	1.99	1.92	1.84	1.76	1.63	1.47	1.37	1.34	1.34	1.23	1.19	1.15	1.24	1.27	1.35
665	1.07	1.11	1.10	1.01	1.00	1.01	1.00	0.99	0.95	0.81	0.81	0.80	0.76	0.75	0.75	0.80	0.80	0.90
705	0.71	0.71	0.66	0.66	0.62	0.66	0.63	0.55	0.55	0.55	0.55	0.49	0.44	0.44	0.44	0.49	0.49	0.55
745	0.35	0.35	0.34	0.33	0.33	0.33	0.33	0.31	0.31	0.31	0.31	0.31	0.29	0.30	0.30	0.30	0.30	0.31
785	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21
825	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17
865	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
905	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13





Table 5.6B--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
86N	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21
82N	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
78N	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15
74N	0.16	0.16	0.16	0.16	0.18	0.19	0.19	0.19	0.20	0.16	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.13
70N	0.27	0.26	0.25	0.26	0.26	0.27	0.27	0.29	0.27	0.24	0.21	0.19	0.16	0.16	0.15	0.15	0.14	0.14
66N	0.54	0.54	0.49	0.45	0.40	0.35	0.32	0.28	0.27	0.26	0.22	0.17	0.16	0.16	0.16	0.16	0.16	0.16
62N	0.64	0.60	0.55	0.47	0.46	0.43	0.38	0.27	0.27	0.27	0.29	0.31	0.31	0.31	0.28	0.23	0.23	0.31
58N	0.79	0.71	0.66	0.52	0.39	0.39	0.35	0.34	0.42	0.49	0.53	0.53	0.44	0.42	0.43	0.60	0.60	0.68
54N	0.91	0.78	0.74	0.55	0.27	0.32	0.38	0.53	0.42	0.88	0.82	0.79	0.56	0.57	0.77	1.30	1.33	1.36
50N	0.60	0.41	0.42	0.33	0.27	0.55	0.82	0.88	1.10	1.10	0.82	1.10	0.82	1.10	1.65	2.09	2.25	2.42
46N	0.56	0.35	0.30	0.26	0.25	0.33	0.49	0.75	0.97	1.10	1.92	1.80	1.92	2.15	2.40	2.62	2.74	2.90
42N	0.36	0.29	0.27	0.26	0.31	0.44	0.66	1.08	1.69	2.42	2.86	2.77	2.86	2.95	3.01	3.04	3.05	3.05
38N	0.25	0.27	0.45	0.49	0.55	0.73	0.93	1.67	2.90	3.82	3.85	3.43	3.30	3.16	3.14	3.04	2.99	2.84
34N	0.38	0.43	1.01	1.47	1.43	1.63	1.76	2.58	4.07	4.48	4.02	3.51	3.36	2.86	2.80	2.66	2.59	2.36
30N	0.82	1.04	2.20	4.07	3.85	4.18	4.40	4.12	4.51	3.96	3.41	3.02	2.64	2.42	2.36	2.31	2.20	1.92
26N	5.44	3.73	3.87	4.33	4.73	4.70	4.22	3.64	3.54	3.25	2.75	2.36	2.20	2.07	2.01	1.78	1.76	1.48
22N	3.36	4.40	4.15	3.74	3.30	3.19	2.99	2.92	2.64	2.48	2.22	2.03	1.89	1.81	1.76	1.65	1.58	1.44
18N	1.25	3.96	4.18	3.63	3.25	2.02	3.08	2.84	2.20	2.63	2.04	1.99	1.89	1.86	1.87	1.87	1.68	1.41
14N	1.60	3.36	4.34	3.85	2.10	1.98	3.95	3.52	2.48	2.53	2.53	2.55	2.55	2.55	2.62	2.58	2.56	2.42
10N	2.75	3.63	4.34	2.75	1.98	2.20	2.14	4.40	3.63	3.85	4.07	4.60	4.40	4.40	4.29	4.12	4.01	4.18
6N	3.85	4.20	4.38	2.31	2.86	5.71	3.51	3.52	3.98	4.55	5.03	5.63	6.15	6.51	6.48	6.41	6.38	6.20
2N	4.95	5.30	5.71	4.18	4.95	9.89	4.84	4.48	4.92	4.53	4.88	5.34	5.74	5.91	5.91	5.43	5.36	5.19
25	5.54	5.87	6.33	5.49	7.03	9.45	5.41	5.03	5.27	4.84	7.16	7.58	5.65	5.43	5.30	4.84	4.64	4.40
65	5.38	5.55	5.71	5.32	4.40	4.84	4.77	4.33	4.60	5.08	9.63	10.13	6.20	5.80	5.65	5.71	5.45	5.03
105	4.51	4.67	4.84	4.62	4.40	2.20	2.75	2.97	3.24	3.41	4.18	4.51	5.49	5.71	6.26	6.59	6.26	6.26
145	1.78	1.73	1.80	1.58	1.32	0.86	1.22	1.91	2.14	2.35	2.59	4.62	4.88	4.66	5.52	5.89	6.02	6.00
185	0.64	0.59	0.64	0.58	0.50	0.52	0.99	1.38	1.54	1.36	1.46	2.58	4.63	4.26	4.77	5.12	5.38	5.44
225	0.33	0.35	0.38	0.42	0.47	0.53	0.99	1.05	0.87	0.75	0.84	1.20	3.35	4.13	3.89	4.15	4.70	4.78
265	0.41	0.43	0.45	0.50	0.54	0.66	0.78	0.78	0.64	0.54	0.63	0.91	1.54	3.87	2.99	3.19	3.96	4.11
305	0.71	0.66	0.66	0.77	0.75	1.10	0.60	0.60	0.49	0.49	0.49	0.82	1.54	3.08	2.42	2.75	3.08	3.41
345	1.42	1.36	1.32	1.30	1.29	1.45	1.35	1.13	0.98	1.07	1.29	1.48	2.07	2.15	2.68	2.92	3.21	3.23
385	1.99	1.97	1.92	1.89	1.89	2.00	2.03	1.94	1.86	1.80	1.91	2.46	2.46	2.38	2.81	3.03	3.27	3.52
425	2.32	2.33	2.31	2.35	2.37	2.46	2.51	2.54	2.54	2.48	2.53	3.08	2.86	2.80	2.86	3.05	2.86	3.41
465	2.42	2.44	2.47	2.58	2.64	2.68	2.73	2.76	2.80	2.89	2.98	3.03	3.10	2.92	2.83	2.95	2.29	2.87
505	2.42	2.44	2.47	2.58	2.64	2.68	2.73	2.80	2.80	2.80	2.80	2.86	2.75	2.75	2.73	2.64	2.66	2.69
545	2.29	2.38	2.43	2.47	2.51	2.56	2.61	2.63	2.63	2.63	2.63	2.64	2.62	2.62	2.57	2.51	2.51	2.52
585	1.96	2.13	2.29	2.33	2.37	2.40	2.44	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.43	2.41	2.43	2.43
625	1.56	1.71	1.85	1.90	1.96	1.98	2.04	2.08	2.08	2.12	2.12	2.14	2.14	2.15	2.16	2.16	2.18	2.18
665	1.15	1.20	1.22	1.24	1.29	1.33	1.42	1.46	1.46	1.56	1.56	1.60	1.62	1.63	1.64	1.65	1.66	1.64
705	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.77	0.77	0.77	0.82	0.82	0.82	0.82	0.82	0.82
745	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.35	0.35	0.33	0.34	0.34	0.34	0.34	0.34	0.34
785	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.18	0.18	0.18	0.18	0.18	0.18	0.18
825	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15
865	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
905	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13

Table 5.7

APRIL SURFACE EVAPORATION (mm/day)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****																		
70N*****																		
66N*****																		
62N*****																		
58N*****																		
54N*****																		
50N*****																		
46N*****																		
42N*****																		
38N*****																		
34N*****																		
30N*****																		
26N*****																		
22N*****																		
18N*****																		
14N*****																		
10N*****																		
6N*****																		
2N*****																		
2S*****																		
6S*****																		
10S*****																		
14S*****																		
18S*****																		
22S*****																		
26S*****																		
30S*****																		
34S*****																		
38S*****																		
42S*****																		
46S*****																		
50S*****																		
54S*****																		
58S*****																		
62S*****																		
66S*****																		
70S*****																		
74S*****																		
78S*****																		
82S*****																		
86S*****																		
90S*****																		



Table 5.7--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****	1.81	1.93	2.09	2.05	1.65	1.65	1.65	1.99	1.97	1.95	1.97							
70N	2.33	2.40	2.43	2.43	2.37	0.27	0.27	2.23	2.23	2.17	2.13					0.17	0.17	0.17
66N	2.55	2.53	2.51	2.43	1.06	0.59	0.45	2.31	0.77	0.73	0.69					0.25	0.25	0.25
62N	2.64	2.59	1.61	1.61	0.79	0.77	0.80	1.45	0.60	0.59	0.57					0.35	0.33	0.35
58N	2.57	2.51	1.27	1.19	0.87	1.10	1.16	0.99	0.81	0.83	0.83					0.47	0.46	0.51
54N	2.40	2.36	1.80	1.07	1.01	1.49	1.49	1.28	1.05	0.99	0.79					0.57	0.51	0.60
50N	2.27	2.33	2.33	1.50	1.33	1.43	1.83	1.73	1.53	1.10	0.90					0.57	0.57	0.60
46N	2.32	2.28	2.28	2.11	1.73	1.73	1.17	1.15	1.21	1.13	1.11					0.78	0.65	0.92
42N	2.03	2.11	2.07	2.07	2.73	2.73	1.50	1.50	1.05	1.05	1.17					1.33	1.56	1.69
38N	1.77	1.60	1.83	2.09	3.00	3.00	1.83	1.83	1.40	1.40	0.87					1.23	1.56	1.69
34N	1.39	0.86	1.39	1.93	2.06	2.06	1.53	1.53	0.86	1.39	0.87					1.19	1.56	1.69
30N	0.30	0.30	0.30	0.30	0.30	0.30	0.33	0.33	0.30	0.30	0.07					0.67	0.60	0.60
26N	0.25	0.22	0.22	0.25	0.22	0.25	0.25	0.25	0.25	0.25	0.32					0.37	0.29	0.29
22N	0.21	0.20	0.20	0.21	0.20	0.21	0.21	0.23	1.49	0.23	0.21					1.66	0.46	0.85
18N	0.24	0.24	0.23	0.23	0.23	0.23	0.24	0.27	1.53	0.24	0.24					2.59	0.42	0.59
14N	0.51	0.47	0.43	0.28	0.27	0.35	0.33	0.43	0.30	0.38	0.29					2.65	1.03	1.52
10N	1.33	1.17	1.10	0.33	0.30	0.67	0.47	0.83	0.67	0.67	0.70					2.70	1.06	2.52
6N	2.53	2.47	2.47	1.61	1.39	2.00	1.96	1.50	0.83	0.83	1.71					2.77	2.72	2.60
2N	3.09	2.92	2.92	2.21	2.11	2.61	2.61	2.61	1.27	1.55	2.05					2.78	2.82	2.76
2S	3.41	3.16	2.70	2.48	2.48	2.52	2.52	2.52	1.83	2.27	2.39					2.96	3.07	2.82
6S	3.71	3.45	3.13	2.60	2.60	2.60	2.60	2.55	2.40	2.91	3.07					3.31	3.43	3.15
10S	4.00	3.67	3.27	2.60	2.60	2.60	2.60	2.63	2.67	3.90	4.00					3.82	3.91	3.81
14S	4.16	3.91	3.40	2.41	2.44	2.44	2.47	2.50	2.56	4.78	4.99					4.43	4.50	4.53
18S	4.32	4.05	3.57	2.04	2.04	2.12	2.37	4.55	4.81	4.10	5.85					5.15	5.22	5.41
22S	4.44	4.15	3.68	0.91	1.52	1.83	2.23	5.56	6.03	3.43	6.04					5.89	5.94	6.05
26S	4.47	4.13	3.68	0.91	1.52	1.83	2.23	5.56	6.03	3.43	6.04					6.03	6.05	6.07
30S	4.37	4.10	3.67	3.20	0.43	1.10	1.55	4.97	5.45	3.68	5.58					5.55	5.54	5.53
34S	4.07	3.75	3.13	3.44	4.14	4.35	4.35	4.83	5.00	5.07	5.10					5.07	5.03	5.00
38S	3.60	3.17	2.80	3.50	5.07	5.09	4.83	4.31	4.52	4.53	4.49					4.51	4.53	4.47
42S	2.87	2.50	2.37	2.90	3.95	4.09	3.93	3.57	3.48	3.44	3.44					3.97	3.93	3.93
46S	2.06	1.92	1.87	1.93	2.14	2.47	2.63	2.60	2.81	2.83	2.85					3.42	3.40	3.40
50S	1.63	1.60	1.60	1.63	1.63	1.67	1.80	1.97	2.07	2.13	2.23					2.91	2.88	2.89
54S	1.50	1.49	1.49	1.50	1.53	1.53	1.59	1.62	1.67	1.71	1.73					2.40	2.47	2.50
58S	1.41	1.39	1.39	1.39	1.40	1.40	1.41	1.41	1.43	1.46	1.46					1.81	1.81	1.97
62S*****																1.53	1.53	1.63
66S*****																		
70S*****																		
74S*****																		
78S*****																		
82S*****																		
86S*****																		
90S*****																		



Table 5.8A

[illegible]







Table 5.8A---Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
86N	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
82N	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
78N	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
74N	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
70N	0.47	0.50	0.32	0.32	0.40	0.50	0.50	0.45	0.70	0.55	0.50	0.50	0.50	0.70	0.70	0.70	0.70	0.70
66N	0.38	0.32	0.32	0.32	0.32	0.32	0.32	0.40	0.70	0.52	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
62N	0.34	0.32	0.32	0.32	0.32	0.33	0.32	0.36	0.38	0.15	0.50	0.36	0.55	0.50	0.50	0.50	0.50	0.70
58N	0.28	0.28	0.30	0.32	0.36	0.36	0.36	0.36	0.38	0.38	0.08	0.08	0.08	0.08	0.50	0.08	0.08	0.08
54N	0.28	0.28	0.28	0.25	0.32	0.40	0.36	0.48	0.50	0.56	0.08	0.08	0.08	0.08	0.50	0.08	0.08	0.08
50N	0.20	0.28	0.17	0.18	0.18	0.20	0.37	0.48	0.52	0.50	0.30	0.08	0.08	0.08	0.08	0.08	0.08	0.08
46N	0.14	0.20	0.19	0.20	0.20	0.18	0.15	0.13	0.13	0.13	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
42N	0.20	0.20	0.25	0.28	0.20	0.10	0.13	0.13	0.13	0.07	0.07	0.10	0.07	0.07	0.07	0.07	0.07	0.07
38N	0.25	0.20	0.25	0.22	0.15	0.10	0.07	0.11	0.07	0.07	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.07
34N	0.20	0.20	0.20	0.12	0.09	0.10	0.07	0.07	0.07	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
30N	0.13	0.15	0.10	0.08	0.10	0.10	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
26N	0.10	0.10	0.08	0.10	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
22N	0.06	0.10	0.10	0.10	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
18N	0.06	0.10	0.09	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
14N	0.06	0.06	0.07	0.09	0.06	0.06	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
10N	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
6N	0.06	0.06	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
2N	0.06	0.06	0.14	0.06	0.06	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
25	0.06	0.06	0.06	0.10	0.06	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
105	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
145	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.10	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.10	0.10	0.10	0.10	0.10	0.06	0.06	0.06	0.06	0.06	0.06
225	0.07	0.07	0.07	0.07	0.07	0.09	0.13	0.26	0.30	0.10	0.17	0.10	0.07	0.07	0.07	0.07	0.07	0.07
265	0.07	0.07	0.07	0.07	0.07	0.09	0.15	0.24	0.28	0.25	0.18	0.09	0.08	0.07	0.07	0.07	0.07	0.07
305	0.07	0.07	0.07	0.07	0.07	0.07	0.18	0.26	0.27	0.16	0.09	0.09	0.08	0.07	0.07	0.07	0.07	0.07
345	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.07	0.08	0.08	0.08	0.08	0.08
385	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
425	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.13	0.09	0.09	0.09	0.09	0.09	0.09
465	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
505	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
545	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
585	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
625	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
665	0.70	0.75	0.75	0.75	0.70	0.70	0.70	0.70	0.75	0.75	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
705	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
745	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
785	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
825	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
865	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
905	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80

Table 5.6B

MARCH-APRIL-MAY PLANETARY ALBEDO (fractions)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****																		
70N*****																		
66N*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****	0.45*****
62N*****	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
58N*****	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
54N*****	0.34	0.31	0.36	0.40	0.38	0.38	0.36	0.35*****	0.35*****	0.40	0.40	0.42	0.43	0.41	0.43	0.43	0.44	0.45
50N*****	0.35	0.34	0.36	0.37	0.37	0.37	0.35	0.34	0.35	0.37	0.38	0.38	0.37	0.38	0.40	0.40	0.41	0.41
46N*****	0.36	0.35	0.36	0.36	0.36	0.36	0.35	0.34	0.34	0.35	0.36	0.36	0.36	0.36	0.37	0.38	0.38	0.37
42N*****	0.35	0.34	0.35	0.35	0.35	0.35	0.34	0.33	0.33	0.34	0.34	0.35	0.35	0.34	0.35	0.35	0.35	0.35
38N*****	0.33	0.32	0.33	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.31	0.32	0.32	0.32	0.32	0.32	0.32
34N*****	0.31	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.30	0.28	0.29	0.30	0.29	0.28	0.36	0.30
30N*****	0.28	0.27	0.27	0.26	0.26	0.26	0.26	0.27	0.28	0.30	0.29	0.30	0.28	0.27	0.26	0.26	0.26	0.27
26N*****	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.28	0.30	0.30	0.28	0.26	0.25	0.25	0.25	0.25
22N*****	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.27	0.29	0.31	0.29	0.27	0.24	0.23	0.23	0.24
18N*****	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.25	0.26	0.28	0.30	0.28	0.26	0.25	0.20	0.20	0.21
14N*****	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.24	0.25	0.27	0.29	0.28	0.27	0.25	0.20	0.20	0.21
10N*****	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.24	0.25	0.25	0.27	0.28	0.29	0.30	0.26	0.23	0.23	0.22
6N*****	0.23	0.27	0.21	0.21	0.21	0.21	0.22	0.23	0.25	0.25	0.27	0.27	0.30	0.31	0.28	0.25	0.24	0.23
2N*****	0.20	0.22	0.21	0.20	0.20	0.20	0.21	0.21	0.23	0.25	0.25	0.27	0.30	0.33	0.28	0.25	0.24	0.23
2S*****	0.22	0.20	0.20	0.18	0.18	0.18	0.18	0.18	0.20	0.22	0.24	0.25	0.29	0.34	0.28	0.25	0.24	0.23
6S*****	0.22	0.20	0.20	0.19	0.18	0.17	0.16	0.16	0.19	0.21	0.23	0.25	0.28	0.31	0.26	0.24	0.23	0.22
10S*****	0.25	0.23	0.22	0.21	0.20	0.20	0.19	0.18	0.20	0.21	0.23	0.24	0.25	0.27	0.25	0.23	0.22	0.20
14S*****	0.25	0.25	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.22	0.23	0.23	0.24	0.25	0.24	0.22	0.21	0.19
18S*****	0.25	0.24	0.23	0.23	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.21	0.20
22S*****	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.22	0.21
26S*****	0.25	0.25	0.25	0.25	0.26	0.27	0.28	0.28	0.26	0.25	0.25	0.25	0.26	0.25	0.25	0.24	0.24	0.24
30S*****	0.27	0.27	0.27	0.28	0.29	0.30	0.30	0.30	0.30	0.28	0.28	0.28	0.26	0.25	0.25	0.24	0.24	0.24
34S*****	0.30	0.30	0.30	0.31	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.26	0.28	0.27	0.25	0.25	0.25
38S*****	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.33	0.33	0.32	0.31	0.32	0.32
42S*****	0.35	0.38	0.37	0.36	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.34	0.34	0.34
46S*****																		
50S*****																		
54S*****																		
58S*****																		
62S*****																		
66S*****																		
70S*****																		
74S*****																		
78S*****																		
82S*****																		
86S*****																		
90S*****																		

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	0.55	0.54	0.53	0.51	0.49	0.46	0.45	0.45	0.50	0.48	0.45	0.43	0.41	0.42	0.43	0.43	0.43	0.42
89N	0.54	0.53	0.52	0.51	0.48	0.46	0.44	0.45	0.46	0.45	0.45	0.43	0.41	0.41	0.42	0.43	0.43	0.42
88N	0.52	0.52	0.52	0.51	0.48	0.45	0.43	0.42	0.42	0.42	0.42	0.40	0.38	0.38	0.38	0.40	0.40	0.39
87N	0.49	0.50	0.50	0.50	0.48	0.44	0.41	0.40	0.39	0.39	0.40	0.38	0.36	0.36	0.36	0.37	0.38	0.38
86N	0.45	0.45	0.45	0.46	0.45	0.42	0.40	0.39	0.38	0.37	0.36	0.35	0.35	0.35	0.35	0.36	0.37	0.37
85N	0.40	0.40	0.42	0.42	0.41	0.40	0.38	0.38	0.37	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
84N	0.35	0.36	0.37	0.38	0.38	0.37	0.36	0.36	0.35	0.35	0.35	0.34	0.34	0.34	0.35	0.35	0.35	0.35
83N	0.32	0.32	0.33	0.35	0.35	0.35	0.34	0.34	0.34	0.34	0.34	0.33	0.32	0.31	0.32	0.32	0.33	0.34
82N	0.29	0.28	0.29	0.30	0.33	0.32	0.32	0.32	0.32	0.32	0.31	0.30	0.28	0.28	0.29	0.30	0.32	0.33
81N	0.27	0.26	0.27	0.28	0.30	0.30	0.30	0.30	0.29	0.28	0.28	0.27	0.25	0.25	0.27	0.28	0.30	0.31
80N	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.22	0.22	0.24	0.25	0.28	0.30
79N	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.21	0.20	0.22	0.25	0.26	0.28
78N	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.21	0.20	0.22	0.25	0.26	0.28
77N	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.22	0.21	0.20	0.22	0.23	0.25	0.26
76N	0.23	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.23	0.22	0.21	0.22	0.23	0.25	0.26
75N	0.23	0.24	0.25	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.24	0.23	0.22	0.24	0.25	0.28	0.30
74N	0.23	0.24	0.25	0.26	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.25	0.24	0.23	0.25	0.26	0.28	0.30
73N	0.23	0.24	0.25	0.26	0.27	0.28	0.28	0.28	0.27	0.27	0.27	0.26	0.25	0.24	0.26	0.27	0.29	0.31
72N	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.28	0.28	0.28	0.27	0.26	0.25	0.27	0.28	0.30	0.32
71N	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.28	0.28	0.28	0.27	0.26	0.25	0.27	0.28	0.30	0.32
70N	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.28	0.28	0.28	0.27	0.26	0.25	0.27	0.28	0.30	0.32
69N	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.28	0.28	0.28	0.27	0.26	0.25	0.27	0.28	0.30	0.32
68N	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.28	0.28	0.28	0.27						

Table 5.8B--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
30N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****																		
70N*****																		
66N*****																		
62N*****		0.40	0.39	0.40	0.38	0.44	0.42	0.42	0.44	0.40	0.40	0.39	0.39	0.37	0.40	0.42	0.44	0.45
58N*****		0.39	0.39	0.40	0.40	0.42	0.41	0.41	0.41	0.40	0.39	0.38	0.37	0.37	0.39	0.42	0.41	0.40
54N*****		0.38	0.38	0.40	0.40	0.40	0.41	0.41	0.40	0.39	0.39	0.38	0.37	0.37	0.39	0.42	0.40	0.38
50N*****		0.37	0.37	0.38	0.38	0.34	0.39	0.39	0.38	0.38	0.38	0.37	0.36	0.35	0.37	0.38	0.38	0.36
46N*****		0.36	0.36	0.36	0.36	0.32	0.37	0.37	0.37	0.37	0.37	0.36	0.35	0.35	0.36	0.37	0.37	0.35
42N*****		0.35	0.35	0.34	0.35	0.35	0.35	0.35	0.36	0.37	0.37	0.35	0.35	0.34	0.36	0.37	0.37	0.35
38N*****		0.34	0.33	0.32	0.32	0.32	0.34	0.34	0.35	0.36	0.35	0.34	0.33	0.35	0.36	0.36	0.36	0.36
34N*****		0.33	0.33	0.30	0.30	0.30	0.33	0.32	0.34	0.35	0.34	0.33	0.33	0.34	0.35	0.35	0.35	0.35
30N*****		0.33	0.32	0.32	0.32	0.32	0.32	0.30	0.32	0.33	0.32	0.31	0.31	0.31	0.32	0.33	0.32	0.30
26N*****		0.32	0.31	0.32	0.33	0.34	0.32	0.30	0.29	0.30	0.30	0.30	0.29	0.28	0.28	0.28	0.28	0.26
22N*****		0.30	0.30	0.31	0.32	0.33	0.30	0.28	0.27	0.27	0.27	0.27	0.26	0.25	0.25	0.25	0.24	0.24
18N*****		0.29	0.29	0.30	0.31	0.30	0.29	0.27	0.25	0.25	0.25	0.25	0.22	0.20	0.21	0.22	0.21	0.20
14N*****		0.28	0.29	0.29	0.30	0.28	0.28	0.26	0.25	0.24	0.23	0.22	0.20	0.19	0.19	0.20	0.22	0.20
10N*****		0.28	0.29	0.30	0.31	0.30	0.28	0.27	0.26	0.25	0.24	0.22	0.21	0.19	0.19	0.20	0.21	0.21
6N*****		0.28	0.29	0.30	0.31	0.30	0.29	0.27	0.26	0.25	0.24	0.23	0.22	0.20	0.19	0.20	0.20	0.21
2N*****		0.28	0.29	0.30	0.31	0.31	0.29	0.28	0.26	0.25	0.24	0.23	0.22	0.21	0.21	0.20	0.21	0.21
2S*****		0.27	0.28	0.28	0.30	0.31	0.30	0.28	0.26	0.25	0.24	0.23	0.23	0.22	0.21	0.21	0.21	0.21
6S*****		0.27	0.27	0.28	0.29	0.30	0.30	0.28	0.26	0.25	0.24	0.23	0.23	0.22	0.23	0.23	0.23	0.23
10S*****		0.26	0.26	0.26	0.26	0.27	0.28	0.27	0.26	0.25	0.24	0.23	0.24	0.26	0.26	0.26	0.26	0.25
14S*****		0.25	0.25	0.25	0.25	0.25	0.26	0.27	0.26	0.25	0.24	0.24	0.24	0.25	0.24	0.24	0.25	0.24
18S*****		0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.26	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.22	0.24
22S*****		0.27	0.26	0.25	0.23	0.23	0.24	0.27	0.26	0.25	0.25	0.25	0.24	0.23	0.21	0.21	0.21	0.23
26S*****		0.28	0.27	0.25	0.25	0.25	0.26	0.27	0.26	0.25	0.25	0.27	0.25	0.25	0.25	0.25	0.25	0.25
30S*****		0.30	0.29	0.28	0.27	0.26	0.27	0.28	0.26	0.30	0.29	0.28	0.28	0.27	0.27	0.28	0.28	0.30
34S*****		0.32	0.32	0.31	0.30	0.28	0.28	0.29	0.30	0.32	0.32	0.30	0.30	0.30	0.30	0.30	0.32	0.33
38S*****		0.35	0.35	0.35	0.35	0.30	0.30	0.30	0.33	0.35	0.34	0.33	0.32	0.32	0.33	0.35	0.35	0.36
42S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
46S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
50S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
54S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
58S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
62S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
66S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
70S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
74S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
78S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
82S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
86S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40
90S*****		0.40	0.38	0.37	0.37	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.38	0.38	0.40

Table 5.8B--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N*****																		
85N*****																		
82N*****																		
78N*****																		
74N*****																		
70N*****																		
66N*****																		
62N*****								0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.45	0.45	0.44	0.43
58N	0.39	0.39	0.38	0.38	0.38	0.38	0.38	0.39	0.40	0.42	0.42	0.42	0.42	0.40	0.40	0.40	0.39	0.38
54N	0.37	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.36
50N	0.35	0.35	0.34	0.34	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.37	0.37	0.35	0.35	0.36	0.36
46N	0.34	0.33	0.33	0.33	0.33	0.34	0.33	0.33	0.33	0.34	0.34	0.34	0.39	0.40	0.38	0.36	0.36	0.36
42N	0.32	0.31	0.31	0.33	0.34	0.34	0.34	0.33	0.34	0.35	0.35	0.35	0.35	0.36	0.36	0.35	0.35	0.35
38N	0.35	0.30	0.30	0.33	0.35	0.36	0.35	0.34	0.35	0.38	0.39	0.37	0.34	0.35	0.34	0.33	0.33	0.33
34N	0.35	0.31	0.31	0.34	0.35	0.37	0.35	0.35	0.35	0.36	0.37	0.35	0.35	0.32	0.31	0.30	0.31	0.31
30N	0.30	0.30	0.30	0.32	0.33	0.35	0.34	0.32	0.32	0.32	0.30	0.30	0.29	0.28	0.28	0.28	0.28	0.28
26N	0.26	0.27	0.28	0.30	0.31	0.32	0.31	0.30	0.28	0.26	0.25	0.25	0.25	0.26	0.26	0.26	0.25	0.25
22N	0.24	0.24	0.25	0.26	0.28	0.30	0.27	0.26	0.25	0.24	0.24	0.24	0.23	0.24	0.24	0.24	0.24	0.24
18N	0.20	0.20	0.21	0.24	0.23	0.22	0.22	0.23	0.24	0.23	0.23	0.23	0.21	0.21	0.22	0.23	0.23	0.23
14N	0.19	0.19	0.20	0.21	0.21	0.20	0.20	0.23	0.23	0.23	0.24	0.24	0.22	0.21	0.22	0.23	0.23	0.23
10N	0.20	0.19	0.20	0.21	0.22	0.21	0.21	0.20	0.24	0.24	0.25	0.25	0.24	0.23	0.25	0.25	0.24	0.24
6N	0.20	0.20	0.21	0.22	0.21	0.20	0.21	0.20	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.26	0.26	0.25
2N	0.21	0.21	0.21	0.23	0.21	0.20	0.22	0.24	0.25	0.26	0.27	0.28	0.28	0.30	0.28	0.28	0.27	0.25
25	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.30	0.31	0.31	0.30	0.27	0.24
65	0.23	0.22	0.22	0.22	0.22	0.21	0.22	0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.31	0.30	0.28	0.25
105	0.23	0.23	0.23	0.22	0.21	0.20	0.11	0.23	0.24	0.25	0.26	0.27	0.29	0.30	0.30	0.28	0.28	0.26
145	0.23	0.23	0.23	0.21	0.20	0.17	0.19	0.21	0.23	0.24	0.24	0.25	0.26	0.27	0.26	0.25	0.26	0.27
185	0.23	0.24	0.24	0.23	0.21	0.20	0.21	0.22	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.24	0.25	0.26
225	0.24	0.24	0.25	0.25	0.24	0.23	0.23	0.23	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.24	0.25
265	0.26	0.26	0.27	0.27	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.22	0.21	0.23	0.24	0.24	0.25
305	0.30	0.30	0.30	0.30	0.29	0.28	0.28	0.28	0.28	0.27	0.27	0.26	0.23	0.22	0.23	0.25	0.26	0.27
345	0.33	0.33	0.33	0.33	0.32	0.32	0.30	0.30	0.30	0.29	0.28	0.27	0.25	0.24	0.25	0.27	0.29	0.30
385	0.36	0.36	0.36	0.36	0.35	0.35	0.34	0.34	0.33	0.32	0.31	0.31	0.28	0.25	0.28	0.30	0.32	0.33
425	0.40	0.40	0.38	0.38	0.38	0.38	0.38	0.37	0.35	0.35	0.35	0.35	0.34	0.31	0.32	0.33	0.34	0.35
465	0.42	0.41	0.41	0.40	0.41	0.41	0.41	0.40	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
505	0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.42	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
545	0.45	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
585	0.50	0.45	0.45	0.47	0.46	0.46	0.46	0.47	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
625	0.50	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
665	0.50	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
705	0.50	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
745	0.50	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
785	0.50	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
825	0.50	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
865	0.50	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35
905	0.50	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.35	0.35	0.35	0.35	0.34	0.36	0.36	0.35	0.34	0.35

Table 5. BC

MARCH-APRIL-MAY OUTGOING LONGWAVE RADIATION (100 ly/day)[illegible]

Table 5.8C--Continued

	90N	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N*****																		
86N	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46
82N	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46
78N	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
74N	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
70N	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74
66N	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74
62N	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89
58N	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89
54N	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
50N	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
46N	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32
42N	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32
38N	4.61	4.75	4.75	4.75	4.75	4.61	4.46	4.46	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61
34N	4.75	4.90	4.90	4.90	4.75	4.75	4.61	4.61	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75
30N	4.90	5.04	5.04	5.04	4.90	4.90	4.75	4.75	4.75	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90
26N	5.18	5.18	5.18	5.18	5.18	5.18	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.18	5.18	5.18
22N	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.04	5.04	5.18	5.18	5.04	5.18	5.18	5.18	5.18	5.18	5.18
18N	5.33	5.33	5.33	5.33	5.33	5.33	5.33	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18
14N	5.33	5.33	5.33	5.33	5.18	5.18	5.33	5.33	5.18	5.33	5.33	5.33	5.33	5.33	5.33	5.33	5.33	5.33
10N	5.33	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.33	5.33	5.33	5.33	5.18	5.18	5.18	5.18	5.18	5.18
6N	5.18	5.18	5.04	5.04	5.04	5.04	5.04	5.04	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.04
2N	5.18	5.18	5.04	5.04	5.04	4.90	4.90	4.90	5.04	5.18	5.18	5.18	4.90	4.90	5.18	5.18	5.18	5.04
2S	5.18	5.18	5.18	5.04	5.04	4.90	4.90	4.90	5.04	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18
6S	5.33	5.18	5.18	4.90	4.75	4.75	4.75	4.90	5.04	5.04	5.18	5.18	5.18	5.33	5.33	5.47	5.33	5.33
10S	5.47	5.33	5.18	5.18	4.75	4.75	4.75	4.90	5.04	5.04	5.18	5.18	5.33	5.47	5.47	5.62	5.47	5.47
14S	5.62	5.47	5.33	5.18	5.04	4.90	4.90	4.90	5.04	5.04	5.04	5.18	5.33	5.47	5.47	5.62	5.47	5.47
18S	5.62	5.47	5.47	5.33	5.18	5.04	4.90	4.90	5.04	5.04	5.04	5.18	5.33	5.47	5.47	5.62	5.47	5.47
22S	5.47	5.47	5.47	5.33	5.33	5.18	5.04	5.04	5.04	5.04	5.04	5.04	5.18	5.18	5.33	5.47	5.47	5.47
26S	5.33	5.33	5.33	5.33	5.33	5.18	5.18	5.04	5.04	4.90	4.90	5.04	5.04	5.04	5.18	5.18	5.18	5.18
30S	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.04	5.04	4.90	4.90	5.04	5.04	4.90	4.90	5.04	5.04	5.04
34S	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	4.90	4.90	4.90	4.90	4.75	4.75	4.75	4.75	4.75
38S	4.90	4.75	4.75	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.75	4.75	4.61	4.61	4.61	4.61	4.61
42S	4.75	4.61	4.61	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.61	4.61	4.61	4.61	4.61
46S	4.61	4.32	4.32	4.46	4.61	4.61	4.61	4.75	4.75	4.75	4.61	4.61	4.61	4.46	4.46	4.32	4.32	4.32
50S	4.32	4.18	4.32	4.32	4.32	4.32	4.32	4.46	4.46	4.46	4.32	4.32	4.46	4.32	4.18	4.18	4.18	4.18
54S	4.18	4.03	4.18	4.18	4.18	4.18	4.18	4.32	4.32	4.32	4.32	4.18	4.32	4.18	4.03	4.03	4.03	4.03
58S	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
62S	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89
66S	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74
70S	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
74S	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46
78S	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46
82S	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46
86S	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46
90S	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46





Table 5.8C--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****																		
70N*****																		
66N*****																		3.89
62N*****						3.89						3.89	3.89	3.89	3.89	3.89	3.89	3.89
58N	3.89	3.89	4.03	4.03	4.03	4.03	4.03	4.03	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	4.03	4.03
54N	4.03	4.03	4.18	4.18	4.18	4.18	4.18	4.18	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
50N	4.18	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.18	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.18	4.18
46N	4.32	4.32	4.46	4.46	4.46	4.46	4.46	4.46	4.32	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
42N	4.46	4.46	4.46	4.61	4.46	4.46	4.46	4.46	4.46	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.32	4.32
38N	4.32	4.46	4.61	4.61	4.61	4.61	4.61	4.61	4.46	4.32	4.32	4.46	4.46	4.46	4.46	4.46	4.61	4.75
34N	4.32	4.46	4.61	4.75	4.75	4.61	4.61	4.61	4.61	4.32	4.61	4.61	4.61	4.61	4.61	4.61	4.75	4.90
30N	4.75	4.75	4.75	4.90	4.90	4.75	4.75	4.75	4.75	4.75	4.75	4.90	4.90	4.75	4.75	4.75	4.90	4.90
26N	5.18	4.90	4.90	4.90	5.04	5.04	4.90	4.90	4.90	5.18	5.18	5.18	5.18	5.04	4.90	4.90	5.04	5.04
22N	5.18	5.18	5.04	5.04	5.04	5.18	5.04	5.04	5.04	5.04	5.18	5.33	5.18	5.04	5.04	5.04	5.04	5.04
18N	5.33	5.33	5.18	5.04	5.18	5.47	5.18	5.18	5.18	5.04	5.18	5.18	5.18	5.04	5.04	5.04	5.04	5.04
14N	5.18	5.18	5.18	5.18	5.18	5.47	5.33	5.18	5.18	5.18	5.04	5.18	5.04	4.90	4.90	4.90	4.90	5.04
10N	5.18	5.04	5.04	5.04	5.18	5.18	5.18	5.18	5.04	5.04	5.04	5.04	4.90	4.90	4.90	4.90	4.90	4.90
6N	4.90	4.90	4.90	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	4.90	4.75	4.75	4.75	4.75	4.90
2N	4.75	4.75	4.75	4.90	5.04	5.04	5.04	5.04	5.04	4.90	4.90	4.90	4.75	4.61	4.46	4.46	4.75	4.90
2S	4.61	4.61	4.75	4.90	5.04	5.04	5.04	5.04	5.04	5.04	4.90	4.75	4.75	4.32	4.46	4.61	4.75	4.90
6S	4.75	4.75	4.75	4.75	5.04	5.04	5.04	5.04	5.04	5.04	4.90	4.75	4.46	4.18	4.32	4.61	4.75	4.90
10S	4.75	4.75	4.90	5.04	5.04	5.18	5.18	5.18	5.18	5.18	5.04	5.04	4.75	4.46	4.46	4.46	4.61	4.75
14S	4.90	4.90	5.04	5.18	5.18	5.33	5.33	5.33	5.33	5.33	5.33	5.18	4.90	4.75	4.61	4.61	4.61	4.75
18S	5.04	4.90	5.04	5.18	5.18	5.33	5.33	5.33	5.47	5.47	5.47	5.33	5.18	4.90	4.75	4.75	4.75	4.90
22S	5.18	5.04	5.04	5.18	5.18	5.33	5.33	5.33	5.47	5.47	5.47	5.47	5.33	5.18	5.18	5.18	5.04	4.90
26S	5.18	5.18	5.04	5.18	5.18	5.18	5.18	5.18	5.33	5.33	5.47	5.62	5.47	5.33	5.18	5.18	5.18	5.04
30S	5.04	5.04	4.90	5.04	5.04	5.04	5.04	5.04	5.18	5.18	5.33	5.33	5.33	5.18	5.18	5.04	5.04	4.90
34S	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.90	4.90	5.04	5.04	5.18	5.18	5.04	4.90	4.90	4.90	4.75
38S	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.75	4.75	4.75	4.75	4.90	4.75	4.75	4.75	4.75	4.75
42S	4.32	4.32	4.32	4.32	4.46	4.46	4.46	4.32	4.46	4.46	4.46	4.61	4.75	4.61	4.46	4.46	4.61	4.61
46S	4.18	4.18	4.18	4.18	4.18	4.32	4.32	4.18	4.18	4.32	4.32	4.32	4.46	4.32	4.32	4.32	4.32	4.46
50S	4.03	4.03	4.03	4.03	4.18	4.18	4.18	4.03	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.32
54S	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.18
58S	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	4.03
62S	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.74	3.74	3.74	3.74	3.60	3.60
66S	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.60	3.60
70S	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.17	3.31	3.31	3.46	3.46
74S	2.59*****		2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.88*****		3.02	3.02	3.17	3.17
78S*****													2.74*****					3.02
82S*****													2.59*****					
86S*****													2.59*****					
90S*****													2.59*****					

Table 5.8D

## APRIL SOLAR RADIATION RECEIVED AT SURFACE (100 ly/day)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N*****																		
86N*****																		
82N*****																		
78N 3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19	3-19
74N 3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25	3-25
70N 3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33	3-33
66N 3-20	3-20	3-06	3-06	3-07	3-37	3-40	3-43	3-53	3-60	3-57	3-53	3-47	3-47	3-47	3-47	3-47	3-47	3-50
62N 2-55	2-46	2-58	2-58	2-74	3-39	3-53	3-67	3-70	3-70	3-70	3-70	3-63	3-63	3-63	3-60	3-57	3-60	3-58
58N 2-07	2-06	2-29	2-53	3-24	3-24	3-43	3-56	3-58	3-58	3-58	3-58	3-87	3-77	3-79	3-77	3-74	3-73	3-68
54N 2-03	2-05	2-27	2-45	2-89	3-17	3-24	3-24	3-25	3-37	3-51	3-51	3-51	3-51	3-51	3-51	3-51	3-51	3-51
50N 2-27	2-27	2-30	2-37	2-58	2-60	2-60	2-60	2-63	3-00	3-17	3-33	3-63	3-63	3-63	3-63	3-63	3-63	3-63
46N 2-51	2-53	2-54	2-58	2-60	2-60	2-64	2-71	2-82	3-00	3-17	3-33	3-63	3-63	3-63	3-63	3-63	3-63	3-63
42N 2-83	2-84	2-88	2-89	2-91	2-97	3-03	3-03	3-15	3-22	3-31	3-70	4-60	4-60	4-60	4-60	4-60	4-60	4-60
38N 3-27	3-28	3-33	3-35	3-35	3-35	3-39	3-41	3-47	3-45	3-47	3-83	4-73	4-73	4-73	4-73	4-73	4-73	4-73
34N 3-81	3-86	3-89	3-91	3-87	3-87	3-85	3-75	3-73	3-61	3-60	3-84	4-31	5-53	6-40	6-28	5-23	4-79	4-79
30N 4-40	4-50	4-53	4-47	4-40	4-40	4-33	4-10	3-97	3-77	3-73	3-87	4-23	5-00	6-67	6-73	6-17	5-23	5-00
26N 4-72	4-71	4-69	4-68	4-67	4-65	4-63	4-55	4-26	3-95	3-89	3-95	4-31	4-73	5-57	6-52	5-31	5-16	5-16
22N 4-82	4-81	4-77	4-75	4-73	4-70	4-67	4-67	4-39	4-08	4-05	4-07	4-35	4-67	5-14	5-83	5-09	5-06	5-06
18N 4-83	4-82	4-80	4-75	4-75	4-73	4-70	4-67	4-45	4-19	4-20	4-21	4-41	4-67	5-01	5-31	5-51	5-30	5-26
14N 4-83	4-80	4-79	4-73	4-73	4-73	4-69	4-65	4-47	4-30	4-33	4-37	4-49	4-69	4-97	5-17	5-25	5-30	5-26
10N 4-83	4-80	4-77	4-70	4-70	4-70	4-67	4-60	4-50	4-43	4-47	4-53	4-60	4-77	5-00	5-17	5-17	5-17	5-10
6N 4-73	4-72	4-71	4-67	4-65	4-65	4-64	4-57	4-58	4-54	4-57	4-64	4-73	4-85	5-09	5-09	5-09	5-02	5-02
2N 4-62	4-62	4-62	4-61	4-59	4-59	4-61	4-61	4-64	4-63	4-66	4-71	4-81	4-89	4-98	5-01	5-01	4-97	4-90
25 4-49	4-49	4-50	4-50	4-53	4-53	4-56	4-63	4-67	4-69	4-73	4-76	4-83	4-87	4-91	4-91	4-90	4-85	4-77
65 4-34	4-34	4-37	4-37	4-43	4-43	4-47	4-61	4-65	4-72	4-73	4-78	4-81	4-81	4-81	4-81	4-77	4-71	4-63
105 4-23	4-23	4-27	4-27	4-27	4-30	4-37	4-50	4-60	4-67	4-67	4-70	4-70	4-70	4-70	4-70	4-67	4-60	4-47
145 4-13	4-13	4-11	4-13	4-13	4-14	4-15	4-23	4-33	4-35	4-40	4-43	4-46	4-49	4-49	4-49	4-45	4-39	4-31
185 4-00	3-98	3-93	3-94	3-94	3-94	3-92	3-95	4-03	4-05	4-09	4-15	4-20	4-23	4-25	4-27	4-24	4-17	4-15
225 3-73	3-69	3-63	3-63	3-63	3-63	3-61	3-61	3-65	3-69	3-73	3-80	3-87	3-93	3-97	3-98	3-95	3-91	3-83
265 3-37	3-31	3-28	3-27	3-27	3-27	3-27	3-27	3-27	3-29	3-35	3-40	3-46	3-55	3-61	3-60	3-57	3-55	3-37
305 3-10	3-07	3-07	3-03	3-03	3-00	3-00	3-00	3-00	3-00	3-00	3-00	3-03	3-10	3-13	3-20	3-17	3-10	3-00
345 2-89	2-80	2-80	2-74	2-74	2-71	2-65	2-65	2-65	2-60	2-63	2-65	2-66	2-67	2-65	2-69	2-71	2-67	2-60
385 2-69	2-57	2-55	2-51	2-51	2-47	2-41	2-37	2-33	2-28	2-27	2-27	2-27	2-25	2-23	2-25	2-26	2-23	2-20
425 2-40	2-31	2-29	2-24	2-24	2-19	2-12	2-05	1-99	1-99	1-95	1-93	1-89	1-89	1-89	1-87	1-89	1-85	1-56
465 1-98	1-95	1-94	1-89	1-89	1-85	1-79	1-68	1-65	1-68	1-65	1-65	1-65	1-60	1-60	1-57	1-59	1-56	1-56
505 1-50	1-47	1-43	1-43	1-43	1-40	1-37	1-33	1-33	1-33	1-33	1-33	1-33	1-33	1-33	1-30	1-30	1-27	1-27
545 1-21	1-20	1-19	1-22	1-22	1-24	1-23	1-25	1-25	1-23	1-20	1-17	1-15	1-15	1-15	1-11	1-11	1-11	1-11
585 1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01	1-01
625*****																		
665*****																		
705*****																		
745*****																		
785*****																		
825*****																		
865*****																		
905*****																		



	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N*****																		
85N*****																		
82N	2.73	2.69	2.64	2.54	2.49	2.45	2.43	2.43	2.41	2.41	2.45	2.49	2.55	2.59	2.62	2.66	2.68	2.75
78N	2.67	2.61	2.53	2.39	2.33	2.30	2.28	2.29	2.27	2.29	2.34	2.46	2.55	2.61	2.66	2.75	2.80	2.87
74N	2.61	2.52	2.37	2.37	2.34		2.28	2.28	2.41	2.44	2.49	2.67	2.74	2.81	2.88	3.00	3.07	3.09
70N	2.53	2.47	2.43	2.50	2.63	2.67	2.70	2.70	2.70	2.73	2.83	2.97	3.03	3.10	3.20	3.33	3.33	3.33
66N	2.64	2.57	2.54		2.74	2.83	2.86	2.91	2.97	3.03	3.13	3.23	3.30	3.37	3.44	3.48	3.52	3.52
62N	2.83	2.64			2.87	2.99	3.02	3.11	3.19	3.26	3.34	3.44	3.53	3.59	3.64	3.67	3.67	3.67
58N	3.05	2.80		2.93	3.01	3.15	3.19	3.29	3.39	3.47	3.54	3.63		3.79	3.83	3.85	3.81	3.80
54N	3.29	3.07	3.07		3.19	3.33	3.40	3.49	3.60	3.69	3.75	3.83		4.01	4.04	4.03	3.99	
50N	3.50	3.33	3.33	3.33	3.43	3.57	3.67	3.73	3.87	3.93	3.97	4.07	4.20	4.33	4.33	4.30	4.20	
46N	3.74	3.84	3.92	3.95	3.94	3.91	3.93	4.00	4.05	4.12	4.21	4.33	4.49	4.63	4.65	4.65	4.63	
42N	4.46	4.41	4.37	4.36	4.37	4.20	4.18				4.31	4.50	4.69	4.86	4.91		4.89	4.87
38N	5.21	5.09	5.01	4.96	4.90	4.81	4.83					4.87	4.99					
34N	5.76	5.78			5.59	5.72	5.80	5.80	5.79	5.69			5.48					
30N	6.13	6.23	6.30	6.33	6.33	6.47	6.47	6.33	6.40	6.33	6.00		6.07	6.27	6.67	6.67		
26N	6.27	6.34	6.43	6.55	6.65	6.84	6.84	6.81	6.80	6.79	6.67		6.60	6.72	6.93	6.93		
22N	6.23	6.23	6.39	6.52	6.69	6.83	6.83	6.83	6.78	6.78	6.83	6.79	6.77	6.79	6.84	6.74	6.53	6.36
18N	5.75	5.77	5.87	5.81	6.43	6.49	6.46	6.43	6.42		6.63	6.66	6.63	6.59	6.52	6.34	6.17	6.03
14N	5.21	4.93	4.88	4.73	5.84	5.85	5.75	5.67			6.21	6.32	6.29	6.26	6.11	5.87	5.71	5.53
10N	4.97	3.73	3.73	4.33	4.93	5.00	4.77	4.60		5.33	5.70	6.00	6.00	5.97	5.73	5.33	5.20	5.00
6N	4.75	3.68	3.33	3.53	4.37	4.57	4.66	4.63		4.77	5.25	5.52	5.63	5.59	5.39	5.09	4.96	4.73
2N	4.48	3.91	3.29	3.31	4.15	4.43		4.75	4.66	4.59	4.83	5.08	5.23	5.24	5.12	4.87	4.74	4.55
25	4.32	4.11	3.64	3.71	4.33	4.49		4.77	4.66	4.54	4.57	4.72	4.86	4.88	4.84	4.69	4.58	4.44
65	4.28	4.16	4.41		4.71	4.69	4.67	4.68	4.61	4.50	4.44	4.46	4.56	4.57	4.56	4.53	4.47	4.38
105	4.20	4.23	4.43	4.70	4.90	4.90	4.80	4.73	4.63	4.50	4.33	4.20	4.40	4.43	4.40	4.40	4.32	4.30
145	3.93	4.02	4.41	4.75	4.98	5.03	4.99	4.89	4.74	4.63	4.33	4.19	4.24	4.25	4.24	4.24	4.20	4.17
185	3.73	3.85	4.28		5.00	5.03	4.97	4.85	4.73	4.71	4.49	4.09	4.10	4.10	4.08	4.08	4.07	4.05
225	3.51	3.70	4.08		4.93	4.91	4.76	4.59	4.58	4.57	4.25	3.89	3.89	3.89	3.84	3.84	3.84	3.84
265	3.29	3.54	3.84	4.61	4.80	4.68		4.17	4.27	4.20	3.67	3.60	3.59	3.59	3.53	3.53	3.52	3.51
305	3.10	3.30	3.60	4.10	4.67	4.33		3.77	3.73	3.67	3.43	3.33	3.30	3.27	3.23	3.23	3.20	3.17
345	2.89	3.06	3.25	3.49	3.65	3.56		3.42	3.28	3.19	3.09	3.01	2.95	2.92	2.91	2.91	2.88	2.87
385	2.65	2.76	2.83	2.91	2.96	2.95	2.96	2.91	2.83	2.75	2.66	2.61	2.55	2.53	2.53	2.52	2.52	2.52
425	2.35	2.39	2.39	2.43	2.43	2.43	2.43	2.38	2.36	2.29	2.22	2.15	2.08	2.09	2.07	2.07	2.07	2.07
465	1.93	1.93	1.97	1.97	1.92	1.91	1.91	1.86	1.86	1.81	1.78	1.67	1.61	1.64	1.59	1.59	1.59	1.59
505	1.47	1.40	1.40	1.33	1.33	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.27	1.27	1.27	1.27	1.27	1.27
545	1.20	1.19	1.19	1.17	1.17	1.17	1.17	1.14	1.14	1.14	1.14	1.14	1.13	1.11	1.11	1.11	1.11	1.11
585	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.97	0.97	0.95	0.95
625	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.81	0.81	0.79	0.78	0.78	0.76	0.76
665																		
705																		
745																		
785																		
825																		
865																		
905																		

[illegible]

Table 5.9

APRIL SURFACE RADIATION BALANCE (100 ly/day)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N*****																		
85N*****																		
80N*****																		
75N*****																		
70N*****																		
65N*****																		
60N*****																		
55N*****																		
50N*****																		
45N*****																		
40N*****																		
35N*****																		
30N*****																		
25N*****																		
20N*****																		
15N*****																		
10N*****																		
5N*****																		
0N*****																		
5S*****																		
10S*****																		
15S*****																		
20S*****																		
25S*****																		
30S*****																		
35S*****																		
40S*****																		
45S*****																		
50S*****																		
55S*****																		
60S*****																		
65S*****																		
70S*****																		
75S*****																		
80S*****																		
85S*****																		
90S*****																		

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N*****																		
86N*****																		
82N*****																		
78N -0.57	-0.55	-0.53	-0.53															
74N*****	-0.43	-0.43																
70N*****																		
66N*****																		
62N*****																		
58N*****																		
54N 0.99	0.83																	
50N 1.63	1.50	1.33	1.27	1.23	1.17	1.11	1.05	0.99	0.93	0.87	0.81	0.75	0.69	0.63	0.57	0.51	0.45	0.39
46N 1.95	1.90	1.89	1.88	1.87	1.86	1.85	1.84	1.83	1.82	1.81	1.80	1.79	1.78	1.77	1.76	1.75	1.74	1.73
42N 2.21	2.18	2.19	2.17	2.16	2.15	2.14	2.13	2.12	2.11	2.10	2.09	2.08	2.07	2.06	2.05	2.04	2.03	2.02
38N 2.44	2.42	2.39	2.35	2.32	2.29	2.26	2.23	2.20	2.17	2.14	2.11	2.08	2.05	2.02	1.99	1.95	1.92	1.88
34N 2.85	2.85	2.80	3.55	3.52	3.47	3.45	3.43	3.41	3.39	3.37	3.35	3.33	3.31	3.29	3.27	3.25	3.23	3.21
30N 3.83	3.83	3.87	3.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
26N 3.99	4.02	4.03	4.03	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08
22N 3.01	4.13	4.13	4.13	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
18N*****	3.43	4.13	4.13	4.13	4.09	4.09	4.09	4.05	3.99	3.95	3.91	3.87	3.83	3.79	3.75	3.71	3.67	3.63
14N*****	2.58	3.99	3.59	3.60	3.64	3.69	3.73	3.77	3.81	3.85	3.89	3.93	3.97	4.01	4.05	4.09	4.13	4.17
10N 3.67	3.57	3.67	1.67	1.73	1.93	2.13	2.33	2.53	2.73	2.93	3.13	3.33	3.53	3.73	3.93	4.13	4.33	4.53
6N 3.40	3.17	2.87	1.67	1.81	2.01	2.21	2.41	2.61	2.81	3.01	3.21	3.41	3.61	3.81	4.01	4.21	4.41	4.61
2N 3.21	2.93	2.27	1.73	1.91	2.09	2.27	2.45	2.63	2.81	2.99	3.17	3.35	3.53	3.71	3.89	4.07	4.25	4.43
25 3.09	2.82	1.20	1.74	1.93	2.21	2.39	2.57	2.75	2.93	3.11	3.29	3.47	3.65	3.83	4.01	4.19	4.37	4.55
65 3.01	2.79	0.53	1.69	1.85	2.01	2.14	2.28	2.42	2.56	2.70	2.84	2.98	3.12	3.26	3.40	3.54	3.68	3.82
105 2.93	2.77	2.67	1.67	1.77	1.93	2.03	2.13	2.23	2.33	2.43	2.53	2.63	2.73	2.83	2.93	3.03	3.13	3.23
145 2.80	2.74	2.72	1.67	1.85	1.95	2.05	2.15	2.25	2.35	2.45	2.55	2.65	2.75	2.85	2.95	3.05	3.15	3.25
185 2.63	2.57	2.59	1.67	1.77	1.95	2.05	2.15	2.25	2.35	2.45	2.55	2.65	2.75	2.85	2.95	3.05	3.15	3.25
225 2.40	2.35	2.37	2.49	2.69	2.89	3.09	3.29	3.49	3.69	3.89	4.09	4.29	4.49	4.69	4.89	5.09	5.29	5.49
265 2.13	2.09	2.11	2.27	2.47	2.67	2.87	3.07	3.27	3.47	3.67	3.87	4.07	4.27	4.47	4.67	4.87	5.07	5.27
305 1.80	1.80	1.87	2.00	2.13	2.26	2.39	2.52	2.65	2.78	2.91	3.04	3.17	3.30	3.43	3.56	3.69	3.82	3.95
345 1.43	1.43	1.47	1.73	1.93	2.13	2.33	2.53	2.73	2.93	3.13	3.33	3.53	3.73	3.93	4.13	4.33	4.53	4.73
385 1.17	1.17	1.19	1.35	1.55	1.75	1.95	2.15	2.35	2.55	2.75	2.95	3.15	3.35	3.55	3.75	3.95	4.15	4.35
425 0.93	0.93	0.95	1.01	1.11	1.21	1.31	1.41	1.51	1.61	1.71	1.81	1.91	2.01	2.11	2.21	2.31	2.41	2.51
465 0.69	0.69	0.73	0.79	0.83	0.87	0.91	0.95	0.99	1.03	1.07	1.11	1.15	1.19	1.23	1.27	1.31	1.35	1.39
505 0.53	0.53	0.60	0.63	0.63	0.73	0.73	0.73	0.70	0.67	0.67	0.63	0.63	0.63	0.60	0.63	0.63	0.63	0.63
545 0.37	0.40	0.44	0.45	0.47	0.52	0.52	0.52	0.49	0.45	0.43	0.42	0.39	0.41	0.41	0.39	0.42	0.45	0.45
585 0.47	0.47	0.47	0.40	0.42	0.41	0.43	0.43	0.41	0.42	0.45	0.47	0.47	0.51	0.49	0.47	0.47	0.49	0.50
625*****																		
665*****																		
705*****																		
745*****																		
785*****																		
825*****																		
865*****																		
905*****																		

Table 5.9--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****	1.07	1.06	1.03	1.03	1.03	0.81	0.81	0.98	0.99	0.97	0.98							
70N	1.33	1.33	1.30	1.30	1.27	0.33	0.33	1.17	1.23	1.13	1.17				0.17	0.17	0.17	0.17
66N	1.65	1.65	1.62	1.62	1.05	0.60	0.47	1.30	1.31	0.49	0.50				0.22	0.22	0.25	0.27
62N	1.95	1.95	1.48	1.48	1.26	1.03	0.86	1.13	1.11	0.69	0.67	0.63	0.53	0.51	0.31	0.33	0.41	0.46
58N	2.19	2.26	1.87	1.93	1.94	1.39	1.26	1.17	1.15	1.11	1.05	0.95	0.83	0.81	0.63	0.64	0.70	0.73
54N	2.45	2.41	2.52	2.52	2.55	1.61	1.56	1.53	1.53	1.44	1.34	1.21	1.12	1.13	1.12	1.08	1.08	
50N	2.90	2.07	1.93	1.93	1.97	1.77	1.80	1.90	1.90	1.73	1.63	1.50	1.47	1.50	1.47	1.40	1.40	
46N	2.45	2.28	2.00	2.00	2.05	1.89	1.89	1.98	1.98	1.89	1.89	1.85	1.85	1.93	2.05	1.83	1.88	
42N	2.59	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	
38N	2.59	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	
34N	2.59	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	
30N	2.43	2.40	2.40	2.40	2.40	2.23	2.20	2.30	2.33	2.33	2.33	2.33	2.33	2.33	2.37	2.37	2.37	
26N	2.27	2.27	2.24	2.24	2.24	2.23	2.23	2.31	2.31	2.41	2.41	2.41	2.41	2.41	2.42	2.42	2.42	
22N	2.13	2.09	2.04	2.06	2.19	2.25	2.25	2.25	2.25	2.47	2.47	2.47	2.47	2.47	2.51	2.51	2.56	2.65
18N	2.01	1.96	1.89	1.91	2.09	2.15	2.13	2.10	2.10	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	3.40
14N	1.95	1.91	1.84	1.84	2.01	2.04	2.01	1.98	1.98	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	4.46
10N	2.00	1.93	1.87	1.87	1.90	1.93	1.90	1.90	1.97	2.03	2.17	2.17	2.17	2.17	2.17	2.17	2.17	3.90
6N	2.67	1.96	1.76	1.79	1.82	1.88	1.87	1.93	1.97	2.09	3.50	4.11	4.12	4.11	4.01	3.93	3.73	3.55
2N	2.93	2.39	1.83	1.87	1.90	1.93	1.93	1.99	2.03	2.82	3.63	3.80	3.84	3.84	3.79	3.73	3.53	3.33
2S	2.99	2.73	2.22	1.95	2.03	2.03	2.03	2.10	2.64	3.38	3.53	3.53	3.61	3.63	3.59	3.54	3.37	3.21
6S	2.94	2.82	2.71	1.97	2.14	2.19	2.21	2.21	3.47	3.48	3.39	3.31	3.39	3.41	3.39	3.36	3.24	3.15
10S	2.83	2.77	2.73	2.00	2.17	2.30	2.40	2.27	3.37	3.40	3.50	3.20	3.20	3.20	3.20	3.20	3.13	3.10
14S	2.65	2.69	2.71	2.03	2.25	2.17	2.13	2.13	2.38	3.37	2.30	3.04	2.99	2.96	2.99	2.99	2.97	2.99
18S	2.46	2.55	2.68	1.93	2.11	2.05	1.97	2.86	2.87	2.53	2.62	2.88	2.79	2.76	2.77	2.83	2.75	2.75
22S	2.29	2.41	2.61	1.65	1.87	1.89	1.83	3.22	3.23	1.97	2.86	2.67	2.57	2.53	2.52	2.52	2.49	2.47
26S	2.13	2.28	2.49	1.60	1.60	1.68	1.68	2.91	2.93	2.05	2.53	2.40	2.31	2.27	2.24	2.23	2.20	2.19
30S	2.00	2.07	2.33	2.67	1.33	1.47	1.47	2.57	2.50	2.37	2.27	2.13	2.07	2.03	2.00	1.97	1.93	1.90
34S	1.73	1.80	1.96	2.11	1.87	1.92	1.92	2.11	2.02	1.94	1.84	1.76	1.75	1.69	1.60	1.57	1.56	1.55
38S	1.51	1.55	1.63	1.67	1.66	1.61	1.60	1.58	1.54	1.49	1.43	1.39	1.39	1.34	1.30	1.27	1.27	1.27
42S	1.24	1.26	1.28	1.28	1.28	1.20	1.19	1.17	1.11	1.08	1.06	1.03	1.01	1.01	1.01	0.97	0.97	0.97
46S	0.93	0.93	0.93	0.93	0.92	0.92	0.89	0.89	0.78	0.75	0.75	0.72	0.69	0.72	0.72	0.69	0.69	0.69
50S	0.63	0.63	0.63	0.63	0.60	0.60	0.60	0.57	0.57	0.53	0.53	0.53	0.53	0.53	0.53	0.50	0.50	0.53
54S	0.45	0.45	0.45	0.42	0.44	0.39	0.39	0.38	0.38	0.37	0.43	0.40	0.40	0.40	0.43	0.39	0.39	0.40
58S	0.50	0.50	0.50	0.49	0.52	0.49	0.49	0.49	0.49	0.49	0.52	0.51	0.51	0.51	0.52	0.51	0.51	0.51
62S	0.50	0.50	0.50	0.49	0.52	0.49	0.49	0.49	0.49	0.49	0.52	0.51	0.51	0.51	0.52	0.51	0.51	0.51
66S	0.50	0.50	0.50	0.49	0.52	0.49	0.49	0.49	0.49	0.49	0.52	0.51	0.51	0.51	0.52	0.51	0.51	0.51
70S	0.50	0.50	0.50	0.49	0.52	0.49	0.49	0.49	0.49	0.49	0.52	0.51	0.51	0.51	0.52	0.51	0.51	0.51
74S	0.50	0.50	0.50	0.49	0.52	0.49	0.49	0.49	0.49	0.49	0.52	0.51	0.51	0.51	0.52	0.51	0.51	0.51
78S	0.50	0.50	0.50	0.49	0.52	0.49	0.49	0.49	0.49	0.49	0.52	0.51	0.51	0.51	0.52	0.51	0.51	0.51
82S	0.50	0.50	0.50	0.49	0.52	0.49	0.49	0.49	0.49	0.49	0.52	0.51	0.51	0.51	0.52	0.51	0.51	0.51
86S	0.50	0.50	0.50	0.49	0.52	0.49	0.49	0.49	0.49	0.49	0.52	0.51	0.51	0.51	0.52	0.51	0.51	0.51
90S	0.50	0.50	0.50	0.49	0.52	0.49	0.49	0.49	0.49	0.49	0.52	0.51	0.51	0.51	0.52	0.51	0.51	0.51



[illegible]

APRIL SURFACE SENSIBLE HEAT FLUX (10 ly/day)

[illegible]

Table 5.10--Continued

[illegible]

[illegible]

Table 5.10--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****	-6.07	-6.00	-5.93	-5.60	-5.20	-5.20	-5.20	-5.20	-5.20	-5.20	-5.20	-5.20	-5.20	-5.20	-5.20	-5.20	-5.20	-5.20
70N*****	-5.00	-4.67	-4.33	-4.00	-3.33	-3.33	-3.33	-2.67	-2.67	-3.00	-3.00	-3.33	-3.33	-3.33	-3.33	-3.33	-3.33	-3.33
66N*****	-3.67	-3.60	-2.47	-1.87	-0.93	-0.67	-0.40	0.53	0.40	0.53	0.40	0.53	0.40	0.53	0.40	0.53	0.40	0.53
62N*****	-1.93	-1.73	-0.40	0.27	0.67	0.40	0.53	0.40	0.53	0.40	0.53	0.40	0.53	0.40	0.53	0.40	0.53	0.40
58N*****	-0.87	-0.53	0.80	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33
54N*****																		
50N*****																		
46N*****																		
42N*****	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
38N*****																		
34N*****																		
30N*****																		
26N*****																		
22N*****	6.60	17.33	15.07	9.33	3.93	2.33	2.33	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
18N*****	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
14N*****	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
10N*****	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
6N*****	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
2N*****	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
2S*****	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
6S*****	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
10S*****	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
14S*****	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
18S*****	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
22S*****	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13
26S*****	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
30S*****	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
34S*****	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
38S*****	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87
42S*****	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13
46S*****	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33
50S*****	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33
54S*****	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33
58S*****	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33
62S*****																		
66S*****																		
70S*****																		
74S*****																		
78S*****																		
82S*****																		
86S*****																		
90S*****																		



Table 5.11--Continued

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****																		
70N*****																		
66N*****																		
62N*****																		
58N*****																		
54N*****																		
50N*****																		
46N*****																		
42N*****																		
38N*****																		
34N*****																		
30N*****																		
26N*****																		
22N*****																		
18N*****																		
14N*****																		
10N*****																		
6N*****																		
2N*****																		
2S*****																		
6S*****																		
10S*****																		
14S*****																		
18S*****																		
22S*****																		
26S*****																		
30S*****																		
34S*****																		
38S*****																		
42S*****																		
46S*****																		
50S*****																		
54S*****																		
58S*****																		
62S*****																		
66S*****																		
70S*****																		
74S*****																		
78S*****																		
82S*****																		
86S*****																		
90S*****																		

Table 5.11--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N*****																		
85N*****																		
82N*****																		
78N*****																		
74N*****	-1.04	-1.09	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19
70N	-0.87	-0.80	-0.77	-0.73	-0.73	-1.40	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57
66N	-0.36	-0.21	-0.21	0.09	0.09	0.09	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
62N	0.05	0.27	0.17	0.64	0.64	0.64	0.63	0.63	0.67	0.57	0.59	0.55	0.45	0.45	0.28	0.32	0.41	0.49
58N	0.42	0.78	1.01	0.89	1.32	0.60	0.42	0.50	0.56	0.68	0.68	0.66	0.41	0.41	0.31	0.31	0.49	0.54
54N	0.93	0.99	1.63	1.71	1.67	0.28	0.36	0.36	0.47	0.65	0.65	0.66	0.46	0.36	0.47	0.39	0.61	0.53
50N	1.87	0.17	0.03	0.30	0.33	0.20	0.20	0.20	0.37	0.37	0.43	0.67	0.43	0.47	0.50	0.47	0.53	0.43
46N	0.96	0.35	0.00	0.00	0.15	0.00	0.00	0.00	0.13	0.55	0.43	0.36	0.47	0.47	0.85	0.81	0.64	0.46
42N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34N	0.61	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.21	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00
30N	0.53	0.50	0.53	0.43	0.00	-0.17	-0.03	0.03	0.03	0.13	0.00	0.00	0.00	0.40	0.03	0.17	0.00	0.00
26N	0.35	0.31	0.32	0.30	0.00	0.13	0.02	0.00	0.03	0.05	0.00	0.00	2.80	2.85	-0.07	0.30	0.00	0.00
22N	0.24	0.19	0.17	0.19	0.29	0.27	0.19	0.00	0.00	-0.07	0.00	0.00	3.44	3.33	1.98	0.31	0.47	0.40
18N	0.17	0.17	0.12	0.29	0.31	0.23	0.03	0.00	0.00	-0.09	1.35	3.27	3.35	3.10	3.17	0.38	0.42	1.39
14N	0.17	0.28	0.21	0.17	0.25	0.26	0.17	0.09	0.00	-0.23	3.27	3.27	3.23	2.86	2.77	0.89	0.85	2.83
10N	0.33	0.47	0.40	0.43	0.20	0.23	0.17	0.33	0.27	-0.30	0.20	3.27	3.07	2.70	2.40	2.47	2.28	2.27
6N	0.68	0.15	0.16	0.02	0.04	0.18	0.09	0.28	0.00	-0.09	0.27	2.79	2.56	2.33	1.97	2.07	1.86	1.84
2N	0.77	0.37	0.22	0.07	0.14	0.23	0.00	0.00	0.04	1.25	2.39	2.37	2.21	1.97	1.63	1.65	1.49	1.41
25	0.62	0.57	0.47	0.11	0.27	0.31	0.00	0.00	0.74	2.01	1.98	1.86	1.73	1.53	1.25	1.21	1.09	1.01
65	0.33	0.52	0.65	-0.07	0.37	0.37	0.33	0.27	1.62	1.65	1.45	1.23	1.06					



	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N*****																		
80N*****																		
82N*****																		
78N*****																		
74N 0.50	0.50	0.50	0.49	0.48	0.45*****													
70N 0.50	0.50	0.47	0.40	0.37	0.37	0.37	0.33	0.27	0.30	0.33	0.33	0.37	0.37	0.37				
66N 0.45	0.45	0.39	0.29	0.21	0.15	0.12	0.13	0.13					0.34	0.34				
62N 0.39	0.45	0.41	0.29	0.27*****		0.27	0.26											
58N 0.51	0.56	0.47	0.38															
54N*****													0.85	0.45*****	-0.03	-0.05	-0.11	
50N*****						0.47	0.57	0.67	0.63	0.93	0.67		1.20	0.96	0.67	0.40	0.50	
46N*****								0.56	0.53	0.67	2.00*****		1.15	0.26	0.03	0.11	0.37	
42N 1.21								0.55	1.56	1.56	1.27*****		-0.11	-0.62	-0.33	0.11	0.39	
38N*****							1.39	0.93	1.72*****		-0.07	-0.35	-1.01	-0.85	-0.24	0.26	0.45	
34N*****								0.94	0.73*****		-1.05	-1.39	-1.01	-0.39	0.13	0.41	0.56	
30N*****					0.51	0.61												
26N*****				0.27	0.43	0.40	0.43	1.57	0.07	-1.27	-1.13	-0.80	-0.50	-0.10	0.23	0.47	0.67	
22N 2.33	0.23*****		0.05	0.33	0.48	1.79	1.38	1.38	0.31	-0.33	-0.12	0.00	0.03	0.14	0.23	0.33	0.48	
18N 3.46	1.39	0.11*****				2.79	2.43	1.88	0.79	0.46	0.53	0.52	0.45	0.38	0.33	0.32	0.35	
14N 2.93	0.43	0.01	3.05					1.75	1.35	1.10	1.03	0.88	0.74	0.57	0.48	0.36	0.34	
10N 2.27	2.37	2.43	0.03	2.43	2.43	2.37	2.51	2.07	1.67	1.53	1.27	1.10	1.00	0.80	0.70	0.63	0.67	
6N 1.81	1.73	1.50	1.05	1.50	0.23	1.42	1.38	1.13	1.13	1.13	1.04	1.11	1.22	1.23	1.02	1.06	1.07	
2N 1.50	1.45*****		1.02	0.27	-0.26*****		0.99	0.84	0.97	0.97	1.04	0.79	1.15	1.17	1.22	1.25	1.29	
25 1.13	1.22*****			0.03	0.13*****		0.75	0.77	0.92*****			0.31*****		0.85	0.93	1.21	1.26	
65 0.65	0.83	1.07*****			0.61	0.63*****	0.67	0.83	0.80	0.88*****					0.95	0.97	1.05	
145 0.17	0.37	0.17	0.37	0.40	0.47*****		0.83	0.80	0.80	0.70	0.70	0.63*****		0.50	0.50	0.47	0.57	
145 0.53	-0.51	-0.45	-0.03	0.19	0.41*****		0.89	0.05	0.03	0.41	-1.07*****		-0.11	-0.09	-0.20	-0.25	-0.18	
185 -0.92	-0.85	-0.74	-0.31	0.07	0.36	0.25	0.26	-0.09	-0.03	0.25	-0.42	-0.44	-0.53	-0.65	-0.75	-0.83	-0.77	
225 -1.16	-1.06	-0.91	-0.59	-0.14	0.43	0.11	-0.17	-0.07	-0.01	0.07	-0.01	-0.33	-0.89	-1.13	-1.24	-1.31	-1.30	
265 -1.32	-1.23	-																

Table 5.12

APRIL 800 mb TEMPERATURE (deg C)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00
86N	-19.87	-19.89	-19.87	-19.87	-19.89	-19.89	-19.89	-19.89	-19.89	-19.92	-19.92	-19.97	-20.08	-20.11	-20.08	-20.11	-20.16	-20.16
82N	-19.65	-19.67	-19.65	-19.65	-19.69	-19.71	-19.73	-19.73	-19.73	-19.80	-19.80	-19.89	-19.94	-20.25	-20.40	-20.51	-20.70	-20.70
78N	-19.19	-19.21	-19.09	-18.99	-18.91	-18.91	-18.91	-18.95	-19.01	-19.09	-19.17	-19.26	-19.34	-19.52	-19.84	-20.15	-20.37	-20.65
74N	-18.49	-18.43	-17.93	-17.57	-17.25	-17.18	-17.14	-17.22	-17.39	-17.48	-17.75	-17.89	-18.09	-18.47	-18.73	-19.11	-19.41	-19.73
70N	-17.77	-17.23	-15.93	-15.17	-14.50	-14.43	-14.37	-14.37	-14.70	-14.87	-15.40	-15.83	-16.07	-16.73	-17.23	-17.70	-18.00	-18.37
66N	-15.05	-14.38	-13.32	-12.53	-12.02	-11.63	-11.11	-10.85	-11.26	-11.53	-12.25	-12.87	-13.21	-13.75	-14.41	-15.03	-15.57	-16.02
62N	-12.67	-11.97	-11.57	-11.07	-10.48	-9.85	-9.24	-8.91	-8.94	-8.72	-8.78	-9.19	-9.52	-10.60	-11.46	-12.15	-12.87	-13.41
58N	-10.49	-10.09	-10.02	-9.80	-9.33	-8.64	-8.08	-7.72	-7.47	-7.08	-6.48	-6.21	-6.59	-7.41	-8.37	-9.20	-10.16	-10.87
54N	-8.45	-8.47	-8.31	-8.21	-8.02	-7.47	-6.98	-6.62	-6.35	-6.00	-5.38	-4.41	-3.90	-4.36	-5.19	-6.19	-7.40	-8.26
50N	-6.50	-6.47	-6.33	-6.23	-5.97	-5.73	-5.30	-5.10	-4.80	-4.40	-4.10	-3.40	-1.77	-1.67	-2.07	-2.93	-4.20	-5.03
46N	-4.29	-4.28	-4.23	-4.07	-3.81	-3.68	-3.51	-3.26	-3.07	-2.83	-2.45	-1.43	0.42	1.32	0.79	-0.19	-1.16	-1.99
42N	-1.67	-1.75	-1.76	-1.61	-1.49	-1.43	-1.37	-1.12	-0.97	-0.77	-0.13	1.03	2.91	4.37	3.90	3.06	2.26	1.41
38N	1.22	1.02	0.89	0.87	0.90	0.96	0.98	1.15	1.25	1.64	2.45	3.64	5.11	7.14	7.30	6.65	5.99	4.78
34N	4.17	3.89	3.65	3.44	3.41	3.47	3.46	3.54	3.56	4.19	5.00	6.06	6.93	9.37	10.67	10.21	9.47	7.91
30N	6.83	6.67	6.50	6.53	6.27	6.17	6.10	6.23	6.07	6.57	7.27	7.90	8.80	10.87	13.37	13.17	11.63	10.77
26N	8.75	8.35	8.21	8.19	8.05	7.90	7.89	7.94	8.01	8.43	9.05	9.79	10.77	12.55	14.70	15.09	14.17	13.33
22N	10.47	10.03	9.75	9.68	9.50	9.35	9.39	9.49	9.62	10.16	10.82	11.45	13.17	13.97	15.79	16.63	16.52	15.11
18N	11.97	11.60	11.23	11.11	10.93	10.81	10.83	10.95	11.09	11.73	12.49	13.02	14.74	15.46	16.89	17.72	17.87	16.48
14N	13.20	12.95	12.60	12.48	12.37	12.27	12.23	12.35	12.54	13.21	14.04	14.63	15.51	16.79	18.11	18.66	17.97	17.32
10N	14.13	13.93	13.67	13.73	13.60	13.47	13.40	13.60	14.03	14.70	15.53	16.33	16.73	17.17	17.23	17.33	17.20	17.00
6N	14.51	14.57	14.36	14.45	14.37	14.75	14.92	15.09	15.37	15.85	16.33	16.68	16.73	16.79	16.78	16.77	16.75	16.63
2N	14.98	15.01	14.95	15.05	15.19	15.49	15.76	15.97	16.18	16.39	16.65	16.87	16.85	16.76	16.69	16.55	16.39	16.23
2S	15.38	15.39	15.46	15.51	15.48	15.79	16.07	16.31	16.55	16.63	16.74	16.76	16.73	16.62	16.51	16.35	16.13	15.85
6S	15.64	15.70	15.79	15.77	15.81	15.83	16.02	16.18	16.53	16.43	16.44	16.25	16.11	16.04	15.90	15.82	15.68	15.33
10S	15.80	15.83	15.77	15.77	15.83	15.83	15.83	15.83	15.77	15.83	15.80	15.67	15.50	15.40	15.23	15.23	15.07	14.90
14S	15.56	15.57	15.55	15.50	15.43	15.30	15.25	15.14	15.07	15.03	14.87	14.65	14.62	14.52	14.43	14.38	14.21	14.05
18S	14.44	14.48	14.50	14.43	14.37	14.29	14.16	14.03	13.90	13.83	13.65	13.52	13.46	13.34	13.19	13.09	12.98	12.85
22S	12.75	12.93	12.93	12.93	12.88	12.83	12.71	12.63	12.46	12.37	12.23	12.15	12.05	11.93	11.70	11.67	11.58	11.49
26S	10.69	11.01	11.01	11.13	11.11	11.07	11.03	11.02	10.87	10.77	10.66	10.57	10.48	10.38	10.15	10.23	10.10	10.06
30S	8.40	8.50	8.80	9.00	9.17	9.23	9.27	9.23	9.17	9.17	9.03	9.00	8.93	8.83	8.73	8.60	8.50	8.57
34S	6.53	6.71	6.91	7.16	7.22	7.26	7.29	7.29	7.25	7.25	7.27	7.16	7.12	7.05	6.89	6.81	6.66	6.89
38S	4.89	5.07	5.17	5.32	5.29	5.33	5.32	5.30	5.23	5.19	5.17	5.10	5.05	5.04	4.89	4.87	4.76	4.73
42S	3.23	3.23	3.25	3.31	3.25	3.25	3.20	3.22	3.04	2.96	2.92	2.85	2.81	2.83	2.75	2.73	2.71	2.47
46S	1.41	1.16	1.10	1.07	1.00	0.93	0.87	0.91	0.67	0.59	0.57	0.47	0.49	0.49	0.51	0.49	0.50	0.30
50S	-0.67	-0.87	-1.03	-1.30	-1.53	-1.60	-1.67	-1.87	-1.83	-1.87	-1.93	-1.90	-1.83	-1.83	-1.70	-1.70	-1.77	-1.83
54S	-3.68	-3.64	-3.73	-3.89	-3.96	-4.05	-4.17	-4.16	-4.26	-4.37	-4.33	-4.25	-4.23	-4.13	-4.10	-4.13	-4.03	-4.13
58S	-6.61	-6.55	-6.54	-6.59	-6.55	-6.65	-6.64	-6.59	-6.65	-6.72	-6.87	-6.81	-6.55	-6.50	-6.46	-6.41	-6.40	-6.38
62S	-9.60	-9.43	-9.34	-9.25	-9.13	-9.18	-9.08	-9.06	-9.02	-9.08	-9.05	-9.01	-8.87	-8.82	-8.78	-8.68	-8.69	-8.63
66S	-13.01	-12.49	-12.19	-11.93	-11.77	-11.66	-11.52	-11.52	-11.44	-11.50	-11.48	-11.43	-11.27	-11.15	-11.15	-11.07	-11.00	-10.99
70S	-17.43	-16.33	-15.37	-15.00	-14.73	-14.30	-14.00	-14.00	-13.90	-13.90	-13.83	-13.83	-13.83	-13.77	-13.73	-13.73	-13.67	-13.63
74S	-19.75	-18.89	-18.14	-17.67	-17.32	-17.05	-16.88	-16.83	-16.83	-16.89	-16.92	-17.01	-17.22	-17.39	-17.49	-17.60	-17.61	-17.66
78S	-21.59	-20.97	-20.41	-20.09	-19.93	-19.83	-19.92	-20.13	-20.47	-20.87	-21.45	-21.84	-22.33	-22.74	-23.11	-23.31	-23.48	-23.41
82S	-23.81	-23.43	-23.12	-23.04	-23.06	-23.22	-23.40	-23.80	-24.30	-24.82	-25.58	-26.13	-26.83	-27.47	-28.27	-28.95	-29.37	-29.27
86S	-28.00	-27.79	-27.87	-27.95	-28.06	-28.27	-28.35	-28.67	-29.31	-29.71	-30.13	-30.77	-31.41	-32.37	-33.44	-33.97	-33.97	-33.97
90S	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53





Table 5.12--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
30N	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00
31N	-19.87	-19.87	-19.87	-19.87	-19.87	-19.87	-19.87	-19.84	-19.84	-19.84	-19.84	-19.84	-19.87	-19.87	-19.87	-19.84	-19.84	-19.87
32N	-19.73	-19.73	-19.73	-19.69	-19.73	-19.69	-19.67	-19.64	-19.64	-19.64	-19.64	-19.60	-19.63	-19.63	-19.63	-19.62	-19.62	-19.63
33N	-19.39	-19.44	-19.41	-19.40	-19.60	-19.36	-19.31	-19.27	-19.20	-19.04	-18.96	-18.83	-18.81	-18.77	-18.82	-18.97	-18.99	-19.16
34N	-18.79	-18.93	-18.87	-18.95	-18.87	-18.83	-18.81	-18.73	-18.55	-18.14	-17.91	-17.65	-17.51	-17.35	-17.39	-17.71	-17.89	-18.09
35N	-18.07	-18.23	-18.23	-18.33	-18.33	-18.30	-18.30	-18.20	-17.93	-17.50	-17.17	-16.77	-16.50	-16.07	-15.73	-15.87	-16.53	-16.03
36N	-18.63	-16.69	-16.61	-16.71	-16.73	-16.76	-16.70	-16.76	-16.87	-16.75	-16.61	-16.47	-16.18	-15.67	-14.83	-14.27	-14.83	-15.13
37N	-18.37	-14.56	-14.50	-14.50	-14.49	-14.65	-14.70	-15.02	-15.28	-15.31	-15.29	-15.22	-15.02	-14.47	-13.58	-12.97	-12.90	-12.92
38N	-11.14	-11.45	-11.45	-11.42	-11.44	-11.67	-11.95	-12.66	-13.09	-13.29	-13.50	-13.58	-13.59	-13.12	-12.21	-11.39	-10.90	-10.59
39N	-7.15	-7.39	-7.53	-7.68	-7.88	-8.25	-8.78	-9.75	-10.39	-10.83	-11.32	-11.65	-11.92	-11.71	-10.79	-9.62	-8.98	-8.59
40N	-2.40	-2.80	-3.40	-4.00	-4.60	-5.50	-6.17	-6.77	-7.40	-8.00	-8.60	-9.07	-9.47	-9.73	-9.27	-8.37	-7.30	-6.70
41N	1.41	1.49	1.32	0.64	0.17	-1.50	-2.67	-3.67	-4.63	-5.68	-5.72	-5.73	-6.05	-6.32	-6.25	-5.62	-4.79	-4.35
42N	7.15	6.33	3.88	3.92	3.42	1.72	0.48	-0.64	-1.99	-2.46	-2.56	-2.32	-2.26	-2.31	-2.14	-1.87	-1.67	-1.57
43N	8.21	7.78	5.47	5.59	5.53	4.25	3.13	2.23	1.13	1.02	1.08	1.61	2.06	2.16	2.35	2.27	1.89	1.58
44N	5.15	6.02	6.51	6.70	7.41	6.37	5.49	5.00	4.71	4.56	5.01	5.63	6.26	6.31	6.32	6.03	5.41	4.79
45N	5.60	5.30	6.70	9.63	8.80	8.50	8.13	7.93	8.07	8.40	8.67	8.93	8.50	8.77	8.67	8.40	8.10	7.53
46N	14.64	13.43	10.65	12.17	11.25	10.85	10.96	11.00	11.03	10.99	10.85	10.85	10.79	10.69	10.43	10.13	9.67	9.24
47N	14.54	16.79	14.33	14.76	14.23	13.31	13.05	12.79	12.71	12.49	12.36	12.23	12.17	12.07	11.91	11.69	11.31	10.87
48N	17.81	17.45	16.12	15.99	15.56	14.97	14.55	14.05	13.79	13.52	13.39	13.27	13.23	13.15	13.07	12.91	12.61	12.28
49N	17.33	16.95	16.08	15.86	15.74	15.61	15.49	15.05	14.65	14.37	14.11	14.06	14.14	14.09	14.00	13.87	13.61	13.46
50N	16.40	16.20	16.00	15.83	15.90	15.80	15.70	15.53	15.40	15.03	14.70	14.57	14.97	15.00	14.93	14.80	14.73	14.50
51N	15.71	15.56	15.44	15.54	15.61	15.59	15.67	15.48	15.43	15.38	15.05	14.91	15.31	15.37	15.25	15.20	15.19	15.06
52N	15.13	15.04	14.96	14.99	15.07	15.11	15.37	15.35	15.29	15.27	14.93	14.78	15.14	15.27	15.25	15.40	15.42	15.36
53N	14.93	14.81	14.75	14.57	14.61	14.71	15.02	15.13	15.05	14.99	14.73	14.57	14.83	14.99	15.19	15.48	15.58	15.56
54N	14.89	14.74	14.79	14.55	14.50	14.61	14.85	14.97	14.86	14.79	14.67	14.63	14.87	14.68	15.05	15.45	15.68	15.71
55N	14.30	14.37	14.90	15.03	15.03	14.93	15.03	15.10	14.97	14.90	14.83	14.30	14.33	14.33	14.57	15.23	15.60	15.73
56N	13.86	14.29	14.71	15.09	15.31	15.35	15.39	15.42	15.30	14.83	14.03	14.03	14.01	14.04	14.19	14.54	15.07	15.55
57N	13.66	13.66	13.66	14.74	15.16	15.37	15.39	15.17	14.86	14.27	13.31	12.79	12.81	12.79	13.02	13.43	13.85	14.24
58N	12.72	13.03	13.41	13.97	14.74	15.16	15.37	15.39	15.17	14.86	14.27	13.31	12.79	12.81	13.02	13.43	13.85	14.24
59N	11.87	12.21	12.72	13.57	14.04	14.33	14.29	14.01	13.55	13.06	12.13	11.19	11.03	11.03	11.22	11.72	12.00	12.27
60N	10.44	10.67	10.98	11.53	11.94	12.15	12.05	11.93	11.51	11.17	10.52	9.53	9.14	9.22	9.65	9.81	10.09	10.59
61N	8.93	8.83	8.90	8.57	8.57	9.30	9.40	9.33	9.13	9.00	8.67	8.47	7.90	7.57	7.43	7.87	8.20	8.70
62N	6.83	6.79	6.75	6.69	6.57	6.58	6.57	6.43	6.31	6.07	5.97	5.93	5.82	5.78	5.83	5.89	6.15	6.65
63N	4.60	4.55	4.49	4.43	4.37	4.28	4.23	4.16	4.14	3.97	3.98	4.02	4.02	4.09	4.21	4.26	4.43	4.77
64N	2.09	2.00	1.96	1.95	2.02	1.99	1.96	1.99	2.01	1.97	2.10	2.27	2.19	2.41	2.59	2.78	3.12	3.47
65N	-0.84	-0.91	-0.90	-0.85	-0.67	-0.59	-0.51	-0.42	-0.36	-0.24	0.03	0.35	0.23	0.62	0.87	1.16	1.76	2.16
66N	-4.33	-4.17	-4.10	-3.95	-3.73	-3.63	-3.37	-3.17	-2.87	-2.53	-2.27	-2.00	-1.77	-1.43	-1.10	-0.80	-0.67	-0.67
67N	-7.32	-7.18	-7.14	-6.97	-6.75	-6.49	-6.24	-5.94	-5.64	-5.47	-5.12	-4.83	-4.41	-4.23	-3.93	-3.75	-3.63	-3.60
68N	-10.23	-10.17	-10.12	-9.96	-9.72	-9.48	-9.35	-8.97	-8.77	-8.60	-8.29	-8.01	-7.63	-7.41	-7.13	-6.93	-6.69	-6.63
69N	-13.56	-13.44	-13.31	-13.21	-13.00	-12.80	-12.60	-12.35	-12.20	-12.01	-11.80	-11.51	-11.25	-10.99	-10.68	-10.45	-9.99	-9.62
70N	-17.39	-17.17	-16.99	-16.97	-16.86	-16.70	-16.38	-16.33	-16.23	-16.10	-16.01	-15.73	-15.68	-15.43	-15.07	-14.75	-14.01	-13.02
71N	-21.37	-21.47	-21.50	-21.50	-21.60	-21.50	-21.40	-21.40	-21.57	-21.57	-21.67	-21.73	-21.87	-21.70	-21.37	-20.80	-19.80	-17.90
72N	-25.42	-25.57	-25.69	-25.87	-25.92	-26.09	-26.22	-26.31	-26.18	-26.07	-25.80	-25.57	-25.17	-24.66	-24.25	-23.63	-22.39	-20.78
73N	-28.65	-28.84	-29.01	-29.23	-29.30	-29.49	-29.32	-29.03	-28.31	-27.86	-27.21	-26.46	-26.28	-25.68	-25.19	-24.57	-23.49	-22.52
74N	-32.35	-32.51	-32.40	-32.11	-31.74	-31.36	-30.81	-30.17	-29.31	-28.57	-27.91	-27.48	-26.85	-26.35	-25.95	-25.51	-24.80	-24.35
75N	-35.84	-35.92	-35.47	-34.64	-33.79	-32.83	-32.21	-31.60	-31.17	-30.48	-30.16	-29.79	-29.25	-28.96	-28.80	-28.64	-28.35	-26.16
76N	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53	-36.53

Table 5.13

APRIL 800 mb GEOPOTENTIAL HEIGHT (100 m)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11
85N	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15
80N	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16	18.16
75N	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17	18.17
70N	18.18	18.18	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20
65N	18.15	18.21	18.23	18.25	18.31	18.31	18.36	18.36	18.40	18.45	18.44	18.43	18.38	18.37	18.36	18.35	18.34	18.29
60N	18.20	18.24	18.26	18.27	18.28	18.32	18.38	18.43	18.47	18.55	18.62	18.65	18.63	18.58	18.57	18.52	18.51	18.45
55N	18.24	18.25	18.26	18.27	18.28	18.32	18.41	18.47	18.52	18.62	18.72	18.79	18.84	18.80	18.76	18.69	18.62	18.56
50N	18.38	18.39	18.37	18.37	18.38	18.40	18.47	18.55	18.58	18.69	18.82	18.97	19.04	19.02	18.93	18.87	18.77	18.68
45N	18.62	18.64	18.60	18.60	18.61	18.61	18.63	18.71	18.74	18.85	18.99	19.18	19.23	19.22	19.11	19.04	18.96	18.85
40N	18.85	18.95	18.96	18.96	18.96	18.92	18.98	19.09	19.19	19.25	19.35	19.32	19.35	19.35	19.29	19.22	19.10	19.03
35N	19.25	19.31	19.35	19.36	19.36	19.35	19.37	19.37	19.43	19.46	19.48	19.47	19.51	19.53	19.50	19.39	19.27	19.21
30N	19.78	19.80	19.82	19.82	19.82	19.82	19.82	19.83	19.82	19.79	19.75	19.69	19.67	19.73	19.63	19.54	19.42	19.39
25N	20.19	20.18	20.18	20.18	20.18	20.18	20.18	20.17	20.14	20.10	20.01	19.94	19.81	19.84	19.67	19.63	19.61	19.63
20N	20.40	20.39	20.39	20.39	20.38	20.39	20.39	20.35	20.35	20.31	20.23	20.15	19.95	19.89	19.74	19.72	19.84	19.92
15N	20.48	20.48	20.48	20.48	20.47	20.47	20.47	20.47	20.47	20.43	20.35	20.26	20.16	20.07	20.02	20.02	20.03	20.17
10N	20.52	20.47	20.47	20.47	20.47	20.46	20.46	20.47	20.47	20.47	20.38	20.33	20.25	20.18	20.24	20.13	20.12	20.25
5N	20.49	20.47	20.43	20.43	20.42	20.42	20.42	20.42	20.43	20.41	20.38	20.34	20.31	20.22	20.31	20.17	20.17	20.26
0N	20.42	20.42	20.38	20.35	20.35	20.35	20.35	20.37	20.35	20.34	20.35	20.31	20.29	20.23	20.26	20.19	20.19	20.23
34S	20.34	20.32	20.31	20.27	20.27	20.27	20.27	20.31	20.26	20.27	20.29	20.25	20.22	20.20	20.17	20.18	20.18	20.17
33S	20.27	20.22	20.22	20.22	20.21	20.21	20.21	20.21	20.17	20.18	20.20	20.16	20.17	20.13	20.13	20.13	20.13	20.12
32S	20.16	20.15	20.15	20.11	20.07	20.07	20.08	20.12	20.11	20.12	20.13	20.13	20.13	20.12	20.12	20.12	20.12	20.12
31S	20.08	20.08	20.08	20.06	20.04	20.05	20.11	20.14	20.14	20.14	20.15	20.15	20.15	20.21	20.21	20.21	20.20	20.20
30S	20.09	20.09	20.09	20.09	20.09	20.09	20.16	20.16	20.21	20.21	20.21	20.21	20.21	20.31	20.30	20.30	20.30	20.29
29S	20.17	20.17	20.17	20.17	20.17	20.17	20.18	20.18	20.26	20.26	20.28	20.28	20.28	20.38	20.37	20.37	20.37	20.34
28S	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.35	20.35	20.35	20.44	20.44	20.44	20.44	20.33
27S	20.25	20.25	20.25	20.25	20.25	20.24	20.24	20.24	20.32	20.32	20.41	20.41	20.41	20.41	20.50	20.50	20.42	20.40
26S	20.23	20.23	20.23	20.23	20.23	20.22	20.22	20.28	20.32	20.32	20.41	20.41	20.47	20.47	20.56	20.56	20.46	20.46
25S	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.26	20.29	20.29	20.35	20.39	20.45	20.48	20.54	20.56	20.52	20.52
24S	20.18	20.16	20.16	20.14	20.15	20.14	20.14	20.15	20.22	20.22	20.24	20.32	20.32	20.42	20.41	20.52	20.51	20.53
23S	20.12	20.12	20.12	20.03	20.03	20.03	20.03	20.03	20.03	20.03	20.13	20.13	20.13	20.23	20.23	20.33	20.33	20.43
22S	20.02	20.01	19.93	19.91	19.92	19.84	19.84	19.84	19.84	19.84	19.86	19.86	19.93	19.95	19.95	20.05	20.13	20.16
21S	19.84	19.84	19.68	19.68	19.62	19.58	19.58	19.58	19.58	19.58	19.58	19.58	19.62	19.62	19.67	19.71	19.81	19.87
20S	19.61	19.57	19.41	19.37	19.31	19.30	19.26	19.26	19.26	19.26	19.26	19.25	19.25	19.25	19.35	19.35	19.41	19.51
19S	19.30	19.19	19.11	19.01	19.01	18.98	18.90	18.90	18.90	18.89	18.89	18.89	18.89	18.89	18.97	18.97	18.97	19.05
18S	18.86	18.76	18.75	18.65	18.64	18.54	18.53	18.53	18.53	18.53	18.53	18.53	18.53	18.53	18.53	18.53	18.53	18.53
17S	18.16	18.14	18.14	18.12	18.12	18.01	18.09	18.09	18.09	18.05	18.01	18.01	18.01	17.93	17.93	17.93	17.93	17.93
16S	17.47	17.47	17.47	17.47	17.47	17.47	17.47	17.47	17.47	17.44	17.42	17.43	17.43	17.39	17.33	17.33	17.33	17.33
15S	16.70	16.74	16.74	16.74	16.78	16.84	16.78	16.82	16.82	16.82	16.82	16.78	16.79	16.79	16.73	16.73	16.73	16.73
14S	15.97	16.04	16.05	16.03	16.13	16.12	16.14	16.24	16.24	16.24	16.26	16.18	16.20	16.21	16.19	16.19	16.19	16.19
13S	15.65	15.57	15.59	15.50	15.60	15.51	15.51	15.61	15.71	15.72	15.82	15.82	15.92	15.92	15.82	15.82	15.82	15.82
12S	15.61	15.53	15.54	15.45	15.48	15.54	15.56	15.56	15.66	15.74	15.76	15.84	15.93	15.93	15.91	15.98	15.98	15.98
11S	15.64	15.61	15.62	15.59	15.59	15.69	15.69	15.68	15.77	15.80	15.85	15.88	15.97	15.96	15.95	16.05	16.05	16.05
10S	15.80	15.81	15.81	15.81	15.81	15.87	15.86	15.85	15.90	15.89	15.93	15.92	15.96	15.99	15.97	16.01	16.00	16.01
9S	15.99	16.00	16.00	15.99	15.99	15.98	15.97	15.96	15.96	15.96	15.96	15.94	15.92	15.99	15.97	15.94	15.93	15.93
8S	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96

Table 5.13--Continued

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11
89N	18.14	18.14	18.14	18.14	18.14	18.14	18.14	18.14	18.14	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15
88N	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15	18.15
87N	18.09	18.07	18.01	18.00	18.01	18.04	18.05	18.11	18.19	18.22	18.22	18.25	18.24	18.24	18.22	18.20	18.21	18.19
86N	18.14	18.09	17.97	17.95	17.96	17.95	17.95	18.09	18.19	18.25	18.27	18.31	18.28	18.29	18.30	18.27	18.27	18.28
85N	18.29	18.24	18.23	18.18	18.19	18.15	18.08	18.15	18.21	18.27	18.33	18.34	18.34	18.35	18.36	18.37	18.33	18.33
84N	18.41	18.36	18.32	18.30	18.25	18.21	18.18	18.18	18.24	18.31	18.33	18.31	18.32	18.29	18.30	18.34	18.34	18.46
83N	18.53	18.48	18.43	18.36	18.33	18.26	18.23	18.20	18.24	18.28	18.30	18.33	18.40	18.39	18.46	18.48	18.54	18.64
82N	18.66	18.58	18.55	18.46	18.44	18.36	18.30	18.27	18.27	18.29	18.35	18.46	18.58	18.61	18.69	18.75	18.83	18.88
81N	18.79	18.69	18.68	18.63	18.57	18.52	18.44	18.41	18.40	18.43	18.55	18.72	18.84	18.91	18.96	19.08	19.12	19.17
80N	18.96	18.90	18.84	18.79	18.74	18.69	18.66	18.62	18.69	18.70	18.87	19.03	19.19	19.30	19.35	19.35	19.35	19.39
79N	19.14	19.08	19.05	19.04	18.99	18.94	18.94	18.91	18.96	19.18	19.27	19.38	19.46	19.53	19.58	19.62	19.62	19.58
78N	19.41	19.40	19.40	19.40	19.32	19.26	19.24	19.23	19.37	19.54	19.69	19.80	19.79	19.82	19.84	19.86	19.80	19.72
77N	19.71	19.77	19.75	19.75	19.66	19.60	19.61	19.64	19.84	19.93	20.07	20.13	20.08	20.07	20.05	20.03	19.94	19.86
76N	20.00	20.09	20.09	20.03	19.98	19.94	20.00	20.08	20.25	20.29	20.34	20.33	20.35	20.25	20.20	20.14	20.05	20.01
75N	20.25	20.30	20.33	20.32	20.31	20.30	20.40	20.40	20.44	20.45	20.50	20.45	20.45	20.41	20.31	20.22	20.14	20.11
74N	20.34	20.41	20.45	20.48	20.48	20.47	20.52	20.56	20.60	20.60	20.62	20.53	20.54	20.49	20.36	20.27	20.23	20.21
73N	20.35	20.42	20.45	20.51	20.50	20.53	20.57	20.62	20.67	20.67	20.65	20.59	20.56	20.52	20.41	20.33	20.30	20.32
72N	20.31	20.36	20.42	20.43	20.44	20.49	20.55	20.58	20.61	20.62	20.60	20.56	20.54	20.51	20.42	20.35	20.33	20.38
71N	20.24	20.26	20.28	20.30	20.35	20.40	20.49	20.48	20.49	20.50	20.50	20.52	20.48	20.45	20.37	20.33	20.31	20.38
70N	20.16	20.15	20.14	20.23	20.29	20.39	20.42	20.41	20.42	20.43	20.39	20.40	20.37	20.33	20.29	20.24	20.25	20.30
69N	20.12	20.15	20.15	20.20	20.20	20.25	20.34	20.30	20.30	20.30	20.27	20.28	20.28	20.19	20.18	20.18	20.18	20.19
68N	20.20	20.19	20.20	20.12	20.14	20.16	20.26	20.24	20.24	20.24	20.23	20.24	20.25	20.15	20.15	20.15	20.15	20.15
67N	20.25	20.24	20.23	20.13	20.13	20.13	20.19	20.19	20.23	20.23	20.27	20.27	20.28	20.17	20.17	20.18	20.18	20.19
66N	20.26	20.24	20.24	20.14	20.14	20.12	20.12	20.14	20.24	20.26	20.33	20.35	20.35	20.24	20.24	20.25	20.26	20.27
65N	20.33	20.23	20.23	20.14	20.15	20.05	20.05	20.15	20.25	20.34	20.33	20.42	20.42	20.31	20.32	20.32	20.33	20.34
64N	20.32	20.30	20.23	20.22	20.14	20.05	20.05	20.15	20.32	20.41	20.40	20.41	20.41	20.39	20.39	20.39	20.40	20.41
63N	20.36	20.31	20.28	20.23	20.20	20.10	20.10	20.20	20.33	20.48	20.47	20.46	20.45	20.45	20.45	20.46	20.46	20.47
62N	20.42	20.33	20.31	20.26	20.23	20.13	20.17	20.26	20.34	20.49	20.53	20.52	20.52	20.52	20.52	20.52	20.52	20.49
61N	20.46	20.37	20.31	20.31	20.22	20.13	20.20	20.29	20.37	20.45	20.54	20.54	20.54	20.54	20.54	20.54	20.54	20.45
60N	20.43	20.34	20.36	20.29	20.19	20.17	20.17	20.25	20.34	20.34	20.43	20.43	20.43	20.43	20.43	20.43	20.43	20.33
59N	20.24	20.23	20.24	20.16	20.07	20.04	20.03	20.05	20.06	20.06	20.16	20.15	20.15	20.15	20.15	20.15	20.15	20.13
58N	19.92	19.98	19.98	19.95	19.86	19.80	19.73	19.73	19.72	19.72	19.76	19.75	19.75	19.75	19.75	19.75	19.75	19.75
57N	19.55	19.61	19.61	19.65	19.56	19.43	19.37	19.33	19.29	19.28	19.28	19.27	19.27	19.23	19.22	19.22	19.22	19.22
56N	19.15	19.15	19.14	19.23	19.16	18.99	18.97	18.86	18.76	18.76	18.73	18.73	18.70	18.62	18.60	18.60	18.57	18.57
55N	18.63	18.63	18.63	18.64	18.64	18.54	18.43	18.33	18.23	18.23	18.12	18.12	18.02	18.01	17.91	17.90	17.80	17.80
54N	17.95	17.95	18.03	18.03	18.03	18.01	17.91	17.88	17.78	17.69	17.51	17.51	17.32	17.32	17.22	17.21	17.11	17.11
53N	17.33	17.33	17.43	17.43	17.49	17.49	17.44	17.37	17.27	17.16	17.02	16.95	16.81	16.75	16.71	16.64	16.60	16.60
52N	16.73	16.73	16.79	16.83	16.93	16.97	16.96	16.89	16.78	16.72	16.61	16.51	16.40	16.34	16.30	16.23	16.19	16.19
51N	16.19	16.19	16.19	16.31	16.41	16.48	16.50	16.47	16.38	16.38	16.27	16.19	16.08	16.08	15.99	16.01	15.92	15.92
50N	15.82	15.82	15.82	16.02	16.12	16.12	16.21	16.11	16.11	16.10	15.99	15.99	15.89	15.89	15.88	15.97	15.96	15.96
49N	15.98	15.98	15.98	16.02	16.04	16.05	16.08	15.98	15.98	15.90	15.88	15.88	15.85	15.92	15.91	15.99	15.98	15.97
48N	16.05	16.05	16.06	16.07	16.02	16.03	16.05	15.96	15.96	15.92	15.92	15.91	15.90	15.93	15.98	16.00	15.99	16.04
47N	16.01	16.03	16.04	16.05	16.01	16.02	16.03	15.98	15.98	15.98	15.98	15.97	15.96	15.95	16.01	16.00	15.99	16.08
46N	15.94	15.95	15.97	15.98	15.98	15.99	15.99	15.99	16.00	16.00	16.00	16.00	15.99	15.99	15.99	15.98	15.97	16.05
45N	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96

Table 5.13--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11
86N	18.11	18.11	18.11	18.11	18.07	18.07	18.03	18.03	18.03	18.03	17.99	17.99	17.99	17.99	17.99	17.95	17.95	17.95
82N	18.13	18.14	18.11	18.06	18.06	18.06	18.01	18.01	17.97	17.97	17.92	17.91	17.91	17.88	17.87	17.85	17.85	17.85
78N	18.20	18.19	18.14	18.11	18.08	18.05	18.02	17.99	17.96	17.96	17.92	17.91	17.89	17.85	17.83	17.82	17.82	17.82
74N	18.26	18.24	18.21	18.18	18.16	18.16	18.11	18.09	18.04	18.04	18.02	18.01	17.96	17.94	17.89	17.87	17.87	17.86
70N	18.34	18.39	18.33	18.33	18.33	18.32	18.32	18.31	18.30	18.29	18.22	18.21	18.19	18.13	18.07	18.01	18.01	18.00
66N	18.51	18.52	18.53	18.54	18.57	18.57	18.64	18.63	18.66	18.65	18.63	18.58	18.57	18.46	18.39	18.33	18.23	18.15
62N	18.69	18.69	18.73	18.73	18.78	18.81	18.87	18.92	18.96	18.99	18.98	18.95	18.94	18.82	18.75	18.69	18.49	18.49
58N	18.93	18.93	18.94	18.94	18.99	19.02	19.07	19.14	19.22	19.27	19.28	19.28	19.25	19.18	19.11	19.05	19.01	18.91
54N	19.20	19.20	19.15	19.16	19.20	19.20	19.26	19.29	19.44	19.49	19.53	19.54	19.50	19.49	19.44	19.38	19.37	19.32
50N	19.34	19.34	19.34	19.34	19.35	19.35	19.45	19.44	19.59	19.64	19.69	19.74	19.74	19.73	19.72	19.67	19.68	19.68
46N	19.49	19.49	19.50	19.46	19.45	19.45	19.47	19.51	19.63	19.69	19.79	19.84	19.84	19.87	19.87	19.86	19.87	19.88
42N	19.62	19.59	19.59	19.59	19.56	19.56	19.57	19.59	19.66	19.73	19.82	19.90	19.90	19.92	19.96	19.89	19.89	19.89
38N	19.75	19.75	19.71	19.73	19.70	19.68	19.67	19.67	19.73	19.81	19.85	19.89	19.89	19.90	19.97	19.90	19.83	19.78
34N	19.87	19.88	19.88	19.88	19.87	19.83	19.80	19.79	19.85	19.93	19.92	19.86	19.86	19.87	19.94	19.95	19.81	19.67
30N	20.03	20.03	20.07	20.07	20.06	20.05	20.01	19.97	20.00	20.06	20.01	19.91	19.92	19.93	19.95	20.05	19.93	19.71
26N	20.18	20.18	20.22	20.22	20.20	20.19	20.14	20.06	20.12	20.19	20.18	20.11	20.04	20.05	20.08	20.13	20.06	19.95
22N	20.32	20.33	20.35	20.36	20.35	20.30	20.21	20.11	20.17	20.27	20.27	20.22	20.19	20.20	20.19	20.14	20.09	20.09
18N	20.38	20.38	20.36	20.39	20.38	20.33	20.24	20.13	20.20	20.29	20.31	20.28	20.29	20.29	20.25	20.22	20.17	20.14
14N	20.33	20.34	20.30	20.28	20.29	20.23	20.24	20.15	20.20	20.25	20.29	20.28	20.26	20.30	20.26	20.21	20.17	20.15
10N	20.25	20.25	20.25	20.13	20.18	20.18	20.22	20.22	20.16	20.21	20.20	20.20	20.20	20.20	20.18	20.14	20.13	20.12
6N	20.18	20.18	20.19	20.14	20.16	20.19	20.20	20.23	20.22	20.23	20.19	20.18	20.14	20.13	20.13	20.08	20.07	20.07
2N	20.09	20.10	20.16	20.21	20.22	20.18	20.18	20.19	20.25	20.25	20.17	20.17	20.15	20.14	20.08	20.05	20.05	20.05
25	20.09	20.09	20.15	20.26	20.27	20.21	20.20	20.20	20.25	20.26	20.16	20.17	20.17	20.17	20.06	20.04	20.04	20.04
65	20.17	20.17	20.17	20.26	20.27	20.27	20.25	20.24	20.24	20.24	20.16	20.18	20.16	20.16	20.08	20.06	20.05	20.05
105	20.25	20.26	20.26	20.27	20.27	20.26	20.24	20.23	20.23	20.23	20.24	20.24	20.14	20.15	20.15	20.14	20.13	20.12
165	20.32	20.33	20.27	20.28	20.35	20.33	20.30	20.30	20.31	20.30	20.22	20.23	20.21	20.21	20.21	20.20	20.19	20.19
185	20.39	20.35	20.33	20.28	20.37	20.40	20.43	20.42	20.37	20.37	20.33	20.27	20.27	20.27	20.27	20.26	20.26	20.26
225	20.45	20.37	20.35	20.31	20.40	20.43	20.49	20.49	20.44	20.44	20.43	20.37	20.33	20.33	20.33	20.32	20.32	20.32
265	20.46	20.37	20.35	20.33	20.41	20.40	20.46	20.46	20.48	20.48	20.47	20.47	20.39	20.39	20.38	20.38	20.38	20.38
305	20.34	20.25	20.27	20.28	20.28	20.37	20.38	20.37	20.46	20.45	20.45	20.44	20.44	20.43	20.43	20.43	20.43	20.43
345	20.06	20.05	20.07	20.07	20.08	20.18	20.18	20.18	20.26	20.25	20.33	20.33	20.40	20.39	20.39	20.31	20.31	20.31
385	19.71	19.72	19.73	19.73	19.74	19.79	19.84	19.84	19.93	19.93	20.02	20.02	20.05	20.11	20.11	20.05	20.01	19.95
425	19.22	19.22	19.23	19.23	19.24	19.26	19.34	19.37	19.43	19.47	19.53	19.56	19.56	19.62	19.58	19.52	19.42	19.42
465	18.57	18.57	18.57	18.57	18.57	18.67	18.69	18.77	18.77	18.85	18.87	18.95	18.97	18.97	18.89	18.87	18.77	18.77
505	17.80	17.80	17.80	17.79	17.79	17.89	17.99	17.99	17.99	17.99	18.09	18.09	18.19	18.19	18.19	18.09	18.09	17.99
545	17.10	17.10	17.10	17.10	17.18	17.20	17.21	17.21	17.30	17.29	17.31	17.39	17.42	17.42	17.42	17.40	17.40	17.30
585	16.60	16.59	16.59	16.59	16.63	16.57	16.57	16.57	16.61	16.66	16.66	16.70	16.76	16.76	16.70	16.70	16.60	16.60
625	16.19	16.15	16.15	16.15	16.14	16.08	16.08	16.12	16.12	16.17	16.21	16.20	16.26	16.26	16.20	16.20	16.10	16.10
665	15.90	15.82	15.82	15.82	15.82	15.84	15.83	15.91	15.92	15.91	15.98	15.97	15.97	15.97	15.98	15.98	15.89	15.89
705	15.85	15.85	15.84	15.84	15.85	15.95	15.95	15.94	16.02	16.00	15.99	15.99	15.98	15.98	15.98	15.98	15.96	15.96
745	15.95	16.02	16.01	16.09	16.08	16.10	16.09	16.09	16.10	16.10	16.09	16.09	16.09	16.08	16.08	16.07	16.15	16.15
785	16.04	16.07	16.06	16.10	16.09	16.09	16.14	16.14	16.16	16.14	16.13	16.13	16.13	16.19	16.18	16.18	16.21	16.21
825	16.07	16.07	16.06	16.06	16.06	16.05	16.11	16.15	16.15	16.14	16.14	16.14	16.14	16.19	16.19	16.18	16.18	16.18
865	16.04	16.04	16.04	16.03	16.03	16.03	16.03	16.11	16.11	16.11	16.11	16.10	16.10	16.10	16.09	16.09	16.08	16.08
905	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96



Table 5.13—Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11
86N	17.95	17.95	17.95	17.99	17.99	17.99	18.03	18.03	18.03	18.03	18.07	18.07	18.11	18.11	18.11	18.11	18.11	18.11
82N	17.85	17.85	17.85	17.87	17.90	17.90	17.95	17.95	17.95	17.98	18.03	18.06	18.08	18.11	18.11	18.14	18.14	18.16
78N	17.82	17.82	17.82	17.82	17.85	17.85	17.88	17.90	17.92	17.97	18.00	18.06	18.06	18.11	18.11	18.16	18.18	18.17
74N	17.85	17.85	17.85	17.85	17.85	17.85	17.85	17.89	17.93	17.99	17.99	18.04	18.04	18.11	18.11	18.14	18.19	18.18
70N	17.94	17.94	17.94	17.94	17.94	17.94	17.94	17.94	17.95	18.00	18.01	18.02	18.07	18.13	18.14	18.13	18.17	18.18
66N	18.13	18.13	18.09	18.09	18.09	18.09	18.09	18.05	18.05	18.06	18.06	18.06	18.08	18.13	18.15	18.16	18.16	18.15
62N	18.48	18.48	18.43	18.38	18.35	18.28	18.25	18.19	18.16	18.13	18.10	18.10	18.13	18.16	18.17	18.22	18.22	18.21
58N	18.88	18.83	18.81	18.71	18.64	18.52	18.45	18.36	18.28	18.21	18.15	18.15	18.20	18.18	18.20	18.26	18.31	18.36
54N	19.27	19.21	19.15	18.94	18.94	18.77	18.65	18.54	18.42	18.33	18.26	18.25	18.26	18.22	18.24	18.33	18.45	18.56
50N	19.63	19.53	19.42	19.31	19.20	18.98	18.82	18.71	18.60	18.53	18.42	18.41	18.30	18.30	18.30	18.47	18.64	18.80
46N	19.82	19.72	19.62	19.55	19.44	19.21	19.08	18.96	18.88	18.82	18.79	18.79	18.72	18.72	18.72	18.88	19.04	19.16
42N	19.87	19.81	19.65	19.68	19.62	19.49	19.36	19.24	19.20	19.14	19.17	19.17	19.15	19.15	19.21	19.39	19.52	19.68
38N	19.79	19.79	19.71	19.72	19.74	19.69	19.61	19.53	19.51	19.50	19.55	19.56	19.61	19.67	19.75	19.89	19.98	20.11
34N	19.66	19.72	19.73	19.75	19.83	19.81	19.80	19.80	19.81	19.86	19.92	19.97	20.03	20.16	20.21	20.25	20.32	20.47
30N	19.67	19.72	19.73	19.84	19.93	19.92	19.96	20.01	20.11	20.17	20.22	20.23	20.28	20.32	20.37	20.42	20.41	20.50
26N	19.92	19.91	19.80	19.88	20.01	20.08	20.13	20.22	20.28	20.29	20.30	20.34	20.35	20.36	20.44	20.49	20.52	20.53
22N	20.09	20.10	20.03	19.99	20.10	20.22	20.26	20.33	20.35	20.34	20.34	20.36	20.35	20.38	20.45	20.50	20.51	20.50
18N	20.17	20.23	20.23	20.12	20.17	20.27	20.31	20.35	20.32	20.32	20.32	20.32	20.32	20.32	20.39	20.44	20.46	20.45
14N	20.19	20.22	20.29	20.21	20.20	20.24	20.29	20.32	20.26	20.26	20.25	20.25	20.25	20.29	20.30	20.35	20.38	20.38
10N	20.17	20.16	20.21	20.21	20.21	20.20	20.25	20.25	20.25	20.19	20.18	20.18	20.19	20.19	20.24	20.28	20.28	20.28
6N	20.11	20.11	20.12	20.12	20.12	20.12	20.17	20.13	20.12	20.12	20.07	20.07	20.07	20.08	20.12	20.17	20.17	20.17
2N	20.06	20.06	20.06	20.06	20.06	20.06	20.09	20.07	20.07	20.07	20.04	20.10	20.10	20.05	20.07	20.09	20.09	20.09
2S	20.04	20.04	20.04	20.07	20.07	20.07	20.04	20.05	20.08	20.04	20.08	20.17	20.18	20.08	20.09	20.09	20.09	20.09
6S	20.06	20.05	20.05	20.13	20.13	20.13	20.06	20.06	20.14	20.06	20.15	20.23	20.23	20.15	20.16	20.17	20.17	20.17
10S	20.12	20.13	20.14	20.14	20.14	20.13	20.14	20.14	20.14	20.14	20.24	20.23	20.22	20.22	20.23	20.24	20.25	20.25
14S	20.19	20.20	20.21	20.21	20.22	20.22	20.23	20.23	20.23	20.23	20.24	20.24	20.22	20.22	20.22	20.23	20.24	20.25
18S	20.26	20.26	20.27	20.28	20.30	20.31	20.31	20.31	20.37	20.30	20.29	20.27	20.26	20.26	20.20	20.21	20.22	20.22
22S	20.32	20.32	20.33	20.34	20.36	20.37	20.42	20.46	20.51	20.40	20.39	20.33	20.31	20.30	20.21	20.22	20.18	20.19
26S	20.38	20.36	20.36	20.35	20.36	20.39	20.47	20.57	20.57	20.48	20.48	20.38	20.36	20.33	20.25	20.24	20.16	20.17
30S	20.43	20.33	20.33	20.23	20.23	20.34	20.34	20.44	20.44	20.44	20.43	20.43	20.41	20.31	20.30	20.21	20.21	20.21
34S	20.23	20.21	20.05	20.03	20.02	20.05	20.13	20.22	20.22	20.30	20.30	20.22	20.21	20.11	20.11	20.09	20.09	20.10
38S	19.85	19.85	19.71	19.71	19.70	19.70	19.74	19.84	19.90	19.94	20.00	20.02	19.96	19.98	19.92	19.92	19.93	19.93
42S	19.36	19.32	19.26	19.26	19.26	19.26	19.30	19.36	19.46	19.46	19.57	19.67	19.65	19.71	19.66	19.70	19.71	19.71
46S	18.77	18.69	18.69	18.69	18.70	18.70	18.78	18.80	18.90	18.92	19.03	19.14	19.24	19.26	19.27	19.37	19.38	19.38
50S	17.99	17.99	18.00	18.00	18.00	18.00	18.01	18.11	18.22	18.32	18.43	18.53	18.64	18.75	18.75	18.85	18.86	18.86
54S	17.30	17.30	17.22	17.23	17.23	17.31	17.32	17.34	17.45	17.55	17.66	17.76	17.87	17.90	17.98	18.08	18.17	18.17
58S	16.61	16.61	16.51	16.51	16.52	16.56	16.57	16.63	16.67	16.78	16.88	16.93	17.09	17.10	17.20	17.31	17.35	17.41
62S	16.15	16.15	16.09	16.09	16.10	16.10	16.11	16.17	16.17	16.24	16.30	16.31	16.43	16.43	16.50	16.56	16.57	16.63
66S	15.97	15.98	15.98	15.98	15.99	15.99	16.00	16.00	16.00	16.00	16.00	16.01	15.99	15.99	16.00	15.98	15.98	15.99
70S	15.98	15.98	15.98	15.98	15.98	15.98	15.98	15.98	15.98	15.98	15.98	15.97	15.87	15.87	15.87	15.78	15.70	15.74
74S	16.15	16.15	16.14	16.14	16.14	16.13	16.13	16.05	16.05	16.05	15.98	15.98	15.89	15.82	15.82	15.74	15.66	15.69
78S	16.21	16.21	16.20	16.20	16.19	16.13	16.13	16.10	16.05	16.06	15.98	15.98	15.89	15.80	15.81	15.72	15.70	15.66
82S	16.17	16.17	16.17	16.18	16.19	16.09	16.10	16.12	16.07	16.09	16.04	16.01	15.96	15.91	15.88	15.83	15.84	15.79
86S	16.07	16.07	16.08	16.10	16.12	16.06	16.07	16.08	16.09	16.10	16.11	16.04	16.05	16.06	15.98	15.98	15.99	15.99
90S	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96

Table 5.14

APRIL 800 mb RELATIVE HUMIDITY (%)

[illegible]

	90M	85M	80M	75M	70M	65M	60M	55M	50M	45M	40M	35M	30M	25M	20M	15M	10M	5M
90N	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56
91N	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99	52.99
92N	53.30	53.16	53.18	52.85	53.21	52.86	52.31	52.00	51.24	51.90	52.89	53.71	55.33	58.75	59.11	58.46	58.98	59.21
93N	53.72	53.49	53.23	52.87	51.91	52.41	53.26	54.19	54.73	55.28	56.14	56.34	57.05	57.63	58.68	59.13	60.71	61.48
94N	53.27	52.36	51.84	51.17	49.02	50.20	52.55	55.58	58.79	59.23	59.55	59.30	57.87	56.33	56.04	57.10	61.03	62.96
95N	53.68	52.02	51.66	51.77	49.27	47.93	49.07	51.48	54.21	56.66	59.97	60.81	60.18	57.95	56.74	60.20	63.63	66.43
96N	52.24	49.94	49.45	51.78	53.82	51.82	49.62	47.76	50.13	54.05	59.57	61.83	63.67	64.00	63.12	65.00	66.61	68.99
97N	51.54	49.31	48.85	50.46	52.35	52.74	51.86	52.05	52.93	53.57	57.82	62.04	62.73	63.61	64.47	65.92	68.00	69.00
98N	51.28	49.78	49.88	50.66	51.77	52.30	53.06	57.86	59.71	57.87	59.45	62.40	62.26	62.65	63.62	64.74	66.31	66.39
99N	52.40	51.95	52.65	52.65	53.64	52.53	52.61	59.97	64.89	67.65	64.26	63.71	63.58	63.65	62.22	62.29	62.20	62.31
100N	55.59	57.58	57.77	52.40	54.69	55.67	52.09	55.64	59.47	65.00	66.94	66.77	64.69	65.94	60.57	58.42	58.03	58.71
101N	57.03	58.62	58.91	54.81	57.08	56.35	52.84	53.97	61.01	64.42	66.29	66.49	64.28	62.63	59.44	55.12	57.34	56.13
102N	56.94	58.65	58.85	56.63	57.75	56.54	54.13	55.15	60.26	63.82	66.67	66.23	63.79	60.74	55.76	52.64	54.55	55.80
103N	54.21	56.44	56.13	56.27	58.61	56.15	54.57	55.95	59.35	62.53	66.11	65.84	63.12	58.75	52.57	49.62	50.08	48.72
104N	49.19	51.64	51.75	54.47	54.62	55.34	54.36	56.15	59.40	61.37	64.21	64.86	61.88	56.47	50.18	46.03	44.56	36.27
105N	43.26	44.80	48.29	53.87	55.04	54.52	55.06	58.38	60.71	62.36	61.96	61.68	59.51	54.68	46.88	42.82	34.58	25.77
106N	48.53	49.15	50.79	54.73	55.03	54.44	55.01	56.80	58.44	58.98	57.52	56.06	53.38	49.30	40.73	31.35	20.80	17.17
107N	53.41	53.97	56.97	58.56	59.58	56.97	56.12	56.11	56.55	55.14	52.55	50.36	46.99	41.88	32.44	22.17	16.55	14.51
108N	54.45	54.34	61.16	61.74	62.64	59.42	57.57	56.33	53.50	52.86	49.49	46.20	41.36	35.51	26.43	17.86	15.47	14.40
109N	53.43	52.56	61.44	63.24	62.65	60.52	59.12	57.56	55.98	53.22	49.37	44.86	38.35	32.34	24.25	18.17	16.46	17.44
110N	57.48	58.28	61.16	65.24	70.05	75.14	76.33	75.14										

Table 5.14--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
00N	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56	56.56
5N	57.33	57.76	58.76	59.33	60.08	60.96	61.26	61.70	62.16	61.85	62.45	62.45	62.60	62.60	62.89	63.18	62.87	63.32
10N	60.13	62.36	64.73	66.22	66.76	67.70	67.99	69.42	69.89	70.31	71.72	70.94	71.37	71.46	71.22	70.61	69.79	69.67
15N	62.45	64.81	67.13	69.27	69.09	70.50	70.52	72.43	73.53	74.95	75.79	75.12	75.36	75.16	74.19	73.20	71.76	70.86
20N	64.26	65.16	66.33	68.55	67.95	69.67	70.92	72.43	73.11	72.40	71.83	72.86	71.83	71.15	70.47	70.40	68.85	67.71
25N	68.17	69.51	71.24	73.01	73.15	72.66	70.25	67.13	66.19	65.07	65.09	67.22	64.93	64.46	66.16	67.59	67.29	66.61
30N	69.80	69.79	71.48	70.85	68.40	66.21	65.67	66.42	66.88	65.26	63.80	62.51	60.86	61.32	65.89	64.96	65.20	65.26
35N	67.85	67.42	67.18	65.12	61.54	58.72	61.08	64.70	64.87	63.55	62.77	60.81	59.05	60.32	62.06	61.33	63.13	65.04
40N	64.69	64.37	63.99	60.77	59.51	58.33	60.67	63.48	62.66	60.98	59.97	57.76	56.55	57.71	57.86	58.02	59.66	61.68
45N	61.29	62.37	64.18	61.24	63.34	62.91	62.45	62.46	60.83	58.22	56.02	53.68	53.12	53.58	54.68	55.22	54.66	54.58
50N	57.77	62.96	67.71	70.04	68.82	62.87	61.09	59.79	58.43	55.55	54.31	52.35	50.55	50.82	52.61	52.30	48.99	46.11
55N	53.12	57.88	64.83	66.89	66.19	62.68	60.56	59.62	56.40	54.50	54.75	51.98	51.70	52.12	52.61	51.17	44.63	40.05
60N	56.35	56.36	57.21	58.74	60.86	60.15	57.86	57.03	56.16	55.37	56.23	53.74	53.63	53.45	51.53	43.11	31.77	27.69
65N	50.44	48.48	48.04	49.04	51.31	52.93	50.18	49.96	49.63	47.08	50.35	52.22	53.33	53.45	52.41	38.04	27.84	26.62
70N	35.68	35.30	37.49	38.22	39.38	42.87	40.54	38.85	36.84	34.56	33.94	45.88	49.93	51.16	52.17	35.55	30.27	34.64
75N	23.78	23.88	25.00	25.81	28.18	33.72	33.93	26.34	23.71	28.46	31.96	37.10	44.73	46.22	43.09	30.30	27.22	33.54
80N	15.91	16.98	17.22	19.38	21.83	25.17	28.39	27.28	25.85	26.80	29.36	35.03	39.48	39.59	31.14	24.53	22.33	29.45
85N	14.18	15.20	15.29	16.21	17.42	19.34	22.44	25.02	27.70	27.84	30.18	35.47	40.23	39.73	31.15	26.22	28.54	35.83
90N	15.63	17.12	16.58	15.73	15.62	16.38	18.35	22.41	30.03	31.58	33.94	39.08	43.66	44.35	38.40	33.67	33.42	45.30
95N	21.28	24.40	22.20	18.33	17.17	18.96	23.78	33.90	37.42	37.58	39.98	45.59	49.09	52.30	51.14	46.54	40.22	53.75
0S	38.36	44.72	39.44	26.58	24.17	26.04	33.18	39.31	41.05	42.8								

[illegible]

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Table 5.15--Continued

92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.6E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	88N	88N	88N	88N	88N	88N	88N	88N	88N	88N	88N	88N	88N	88N	88N	88N	88N
84N	84N	84N	84N	84N	84N	84N	84N	84N	84N	84N	84N	84N	84N	84N	84N	84N	84N
80N	80N	80N	80N	80N	80N	80N	80N	80N	80N	80N	80N	80N	80N	80N	80N	80N	80N
76N	76N	76N	76N	76N	76N	76N	76N	76N	76N	76N	76N	76N	76N	76N	76N	76N	76N
72N	72N	72N	72N	72N	72N	72N	72N	72N	72N	72N	72N	72N	72N	72N	72N	72N	72N
68N	68N	68N	68N	68N	68N	68N	68N	68N	68N	68N	68N	68N	68N	68N	68N	68N	68N
64N	64N	64N	64N	64N	64N	64N	64N	64N	64N	64N	64N	64N	64N	64N	64N	64N	64N
60N	60N	3.54	3.41	3.15	2.77	2.51	2.38	2.25	2.12	1.93	1.67	1.48	1.35	1.42	1.57	1.93	1.29
56N	56N	5.21	4.83	4.31	3.67	3.28	3.15	3.02	2.90	2.57	2.06	1.74	1.61	1.48	1.35	1.42	1.57
52N	52N	5.98	5.60	5.02	4.25	3.86	3.86	3.80	3.67	3.41	3.02	2.64	2.25	1.99	1.87	1.93	2.19
48N	48N	6.48	6.10	5.52	4.75	4.44	4.57	4.63	4.63	4.50	4.25	3.99	3.73	3.54	3.41	3.47	3.73
44N	44N	6.98	6.60	6.02	5.25	4.95	5.08	5.15	5.15	5.28	5.53	5.73	5.86	5.98	6.11	6.37	6.76
40N	40N	7.48	7.10	6.52	5.75	5.45	5.58	5.66	5.66	6.05	6.82	7.46	7.98	8.43	8.82	9.27	9.78
36N	36N	7.98	7.60	7.02	6.25	5.95	6.08	6.18	6.18	6.50	7.14	7.92	8.82	9.65	10.42	11.00	11.39
32N	32N	8.48	8.10	7.52	6.75	6.45	6.58	6.68	6.68	7.00	7.64	8.42	9.49	10.55	11.07	11.07	11.07
28N	28N	8.98	8.60	8.02	7.25	6.95	7.08	7.18	7.18	7.50	8.14	9.02	10.19	11.25	11.77	11.77	11.77
24N	24N	9.48	9.10	8.52	7.75	7.45	7.58	7.68	7.68	8.00	8.64	9.62	10.79	11.85	12.37	12.37	12.37
20N	20N	9.98	9.60	9.02	8.25	7.95	8.08	8.18	8.18	8.50	9.14	10.22	11.39	12.45	12.97	12.97	12.97
16N	16N	10.48	10.10	9.52	8.75	8.45	8.58	8.68	8.68	9.00	9.64	10.72	11.89	12.95	13.47	13.47	13.47
12N	12N	10.98	10.60	10.02	9.25	8.95	9.08	9.18	9.18	9.50	10.14	11.22	12.39	13.45	13.97	13.97	13.97
8N	8N	11.48	11.10	10.52	9.75	9.45	9.58	9.68	9.68	10.00	10.64	11.72	12.89	13.95	14.47	14.47	14.47
4N	4N	11.98	11.60	11.02	10.25	9.95	10.08	10.18	10.18	10.50	11.14	12.22	13.39	14.45	14.97	14.97	14.97
0	0	12.48	12.10	11.52	10.75	10.45	10.58	10.68	10.68	11.00	11.64	12.72	13.89	14.95	15.47	15.47	15.47
45E	45E	12.98	12.60	12.02	11.25	10.95	11.08	11.18	11.18	11.50	12.14	13.22	14.39	15.45	15.97		

Table 5.16

MARCH--APRIL--MAY 800 mb MERIDIONAL WIND--N/Hem (m/sec)

[illegible]



[illegible]



Table 5.17

APRIL 800 mb ZONAL GEOSTROPHIC (m/sec)

	177.5W	172.5W	167.5W	162.5W	157.5W	152.5W	147.5W	142.5W	137.5W	132.5W	127.5W	122.5W	117.5W	112.5W	107.5W	102.5W	97.5W	92.5W
88N	0.61	0.68	0.74	0.79	0.83	0.87	0.88	0.90	0.91	0.89	0.87	0.85	0.83	0.81	0.76	0.73	0.71	0.69
84N	0.66	0.71	0.75	0.78	0.80	0.79	0.78	0.75	0.70	0.63	0.55	0.48	0.40	0.32	0.23	0.16	0.10	0.06
80N	0.50	0.52	0.56	0.63	0.69	0.74	0.77	0.79	0.79	0.76	0.70	0.63	0.55	0.45	0.35	0.25	0.17	0.08
76N	0.06	0.05	0.11	0.22	0.38	0.54	0.70	0.85	1.00	1.12	1.19	1.22	1.20	1.13	1.05	0.95	0.85	0.71
72N	-0.50	-0.54	-0.51	-0.37	-0.15	0.12	0.44	0.78	1.13	1.50	1.81	2.02	2.12	2.12	2.07	1.97	1.84	1.66
68N	-0.55	-0.64	-0.67	-0.59	-0.41	-0.14	0.23	0.66	1.14	1.71	2.24	2.62	2.82	2.86	2.79	2.66	2.48	2.29
64N	0.48	0.41	0.33	0.29	0.31	0.42	0.63	0.95	1.37	1.89	2.44	2.86	3.07	3.08	2.99	2.82	2.62	2.43
60N	2.39	2.49	2.41	2.23	2.05	1.92	1.88	1.96	2.12	2.37	2.69	2.98	3.12	3.10	3.00	2.82	2.62	2.45
56N	4.74	5.03	5.01	4.76	4.40	4.05	3.79	3.58	3.39	3.23	3.15	3.18	3.20	3.14	3.04	2.86	2.66	2.55
52N	7.07	7.42	7.45	7.21	6.81	6.38	5.97	5.50	4.95	4.36	3.85	3.54	3.40	3.29	3.16	2.99	2.86	2.87
48N	8.87	9.02	9.04	8.89	8.60	8.25	7.77	7.12	6.33	5.43	4.58	3.93	3.51	3.25	3.10	3.11	3.31	3.65
44N	9.59	9.45	9.41	9.38	9.26	9.05	8.61	7.95	7.12	6.15	5.15	4.22	3.44	2.98	2.95	3.38	4.13	4.94
40N	8.83	8.50	8.43	8.49	8.52	8.46	8.21	7.78	7.16	6.40	5.49	4.48	3.58	3.09	3.25	4.04	5.18	6.28
36N	6.54	6.18	6.11	6.21	6.34	6.47	6.53	6.50	6.32	5.97	5.44	4.74	4.12	3.87	4.18	4.96	6.02	7.00
32N	3.20	2.90	2.82	2.88	3.08	3.41	3.78	4.17	4.48	4.68	4.75	4.76	4.85	5.04	5.30	5.57	5.97	6.47
28N	0.06	-0.19	-0.34	-0.39	-0.22	0.15	0.62	1.17	1.77	2.39	3.01	3.72	4.46	4.99	5.04	4.64	4.24	4.17
24N	-2.04	-2.28	-2.49	-2.64	-2.63	-2.43	-2.11	-1.67	-1.07	-0.33	0.50	1.42	2.31	2.87	2.80	2.12	1.30	0.82
20N	-3.46	-3.62	-3.81	-4.01	-4.15	-4.19	-4.09	-3.86	-3.41	-2.75	-2.00	-1.24	-0.53	-0.06	-0.03	-0.55	-1.41	-2.20
16N	-4.41	-4.44	-4.53	-4.73	-4.96	-5.14	-5.22	-5.16	-4.84	-4.40	-3.84	-3.27	-2.82	-2.26	-1.98	-2.12	-2.82	-3.88
12N	-4.68	-4.54	-4.56	-4.67	-4.96	-5.20	-5.00	-4.95	-4.77	-4.49	-4.07	-3.48	-2.82	-2.22	-1.71	-1.48	-1.90	-2.96
8N	-4.53	-4.29	-4.14	-4.09	-3.99	-3.80	-3.64	-3.53	-3.42	-3.23	-2.78	-1.97	-1.04	-0.24	0.38	0.80	0.73	-0.01
4N	-4.56	-4.34	-4.16	-3.99	-3.87	-3.67	-3.50	-3.27	-2.66	-2.55	-2.11	-1.27	-0.28	0.49	1.03	1.45	1.65	1.38
0	-4.73	-4.70	-4.66	-4.55	-4.23	-3.68	-3.18	-2.99	-3.06	-3.15	-2.94	-2.33	-1.60	-1.11	-0.84	-0.58	-0.22	0.01
4S	-4.65	-4.78	-4.85	-4.82	-4.59	-4.07	-3.57	-3.41	-3.60	-3.88	-3.95	-3.65	-3.11	-3.11	-3.10	-3.00	-2.59	-1.96
8S	-3.72	-3.84	-3.81	-3.73	-3.55	-3.22	-2.97	-3.04	-3.33	-3.67	-3.90	-3.87	-3.73	-3.73	-3.84	-3.82	-3.43	-2.72
12S	-1.36	-1.37	-1.22	-1.11	-1.06	-1.05	-1.19	-1.52	-1.80	-2.03	-2.32	-2.52	-2.59	-2.71	-2.92	-2.90	-2.81	-2.30
16S	0.91	1.03	1.22	1.33	1.28	1.10	0.78	0.47	0.34	0.25	-0.03	-0.40	-0.67	-0.92	-1.28	-1.63	-1.78	-1.63
20S	1.65	1.95	2.24	2.44	2.51	2.46	2.30	2.21	2.26	2.26	2.06	1.72	1.44	1.19	0.77	0.19	-0.36	-0.67
24S	1.54	1.99	2.39	2.71	2.98	3.21	3.38	3.55	3.71	3.76	3.70	3.66	3.43	3.28	2.90	2.25	1.43	0.70
28S	1.61	2.14	2.60	2.98	3.33	3.71	4.08	4.39	4.58	4.70	4.85	4.99	5.09	5.05	4.80	4.27	3.45	2.46
32S	2.51	3.06	3.52	3.85	4.10	4.37	4.67	4.92	5.11	5.33	5.67	6.03	6.25	6.30	6.22	5.95	5.36	4.44
36S	3.92	4.41	4.83	5.07	5.18	5.26	5.39	5.53	5.69	5.96	6.36	6.76	7.03	7.16	7.24	7.25	7.01	6.42
40S	5.53	5.82	6.07	6.18	6.21	6.18	6.19	6.26	6.41	6.67	7.01	7.33	7.60	7.84	8.09	8.34	8.43	8.28
44S	7.45	7.35	7.28	7.22	7.14	7.05	7.02	7.07	7.22	7.44	7.67	7.87	8.15	8.49	8.88	9.27	9.62	9.89
48S	9.75	9.19	8.73	8.42	8.22	8.07	7.99	8.05	8.22	8.40	8.55	8.69	8.95	9.33	9.74	10.14	10.60	11.08
52S	12.01	11.22	10.56	10.12	9.83	9.62	9.51	9.55	9.67	9.77	9.85	9.99	10.22	10.51	10.80	11.02	11.31	11.68
56S	13.33	12.78	12.27	11.91	11.64	11.44	11.31	11.23	11.17	11.09	11.07	11.13	11.24	11.36	11.45	11.46	11.48	11.58
60S	13.08	13.00	12.86	12.71	12.54	12.38	12.20	11.94	11.62	11.31	11.10	10.97	10.87	10.78	10.70	10.59	10.48	10.40
64S	11.01	11.34	11.55	11.62	11.55	11.41	11.17	10.80	10.29	9.77	9.33	8.97	8.64	8.36	8.15	8.00	7.86	7.76
68S	7.27	7.72	8.03	8.17	8.18	8.06	7.81	7.46	6.97	6.42	5.89	5.38	4.88	4.46	4.17	4.01	3.95	3.92
72S	2.84	3.01	3.13	3.19	3.22	3.18	3.09	2.96	2.75	2.47	2.13	1.74	1.32	0.96	0.71	0.59	0.59	0.65
76S	-0.90	-1.02	-1.10	-1.12	-1.08	-0.99	-0.84	-0.66	-0.52	-0.41	-0.40	-0.45	-0.54	-0.65	-0.72	-0.74	-0.71	-0.64
80S	-3.25	-3.43	-3.53	-3.55	-3.47	-3.28	-2.99	-2.66	-2.32	-1.99	-1.70	-1.46	-1.27	-1.13	-1.00	-0.91	-0.84	-0.77
84S	-4.05	-4.17	-4.24	-4.22	-4.13	-3.95	-3.69	-3.40	-3.06	-2.72	-2.38	-2.06	-1.77	-1.51	-1.29	-1.13	-1.00	-0.92
88S	-3.17	-3.27	-3.34	-3.36	-3.34	-3.30	-3.23	-3.11	-2.94	-2.76	-2.58	-2.40	-2.22	-2.01	-1.83	-1.66	-1.50	-1.35

Table 5.17--Continued

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	0.66	0.63	0.60	0.58	0.55	0.55	0.54	0.52	0.51	0.47	0.41	0.35	0.25	0.22	0.13	0.01	-0.11	-0.20
84N	0.02	0.01	0.00	0.02	0.07	0.15	0.24	0.35	0.48	0.58	0.66	0.69	0.69	0.66	0.58	0.50	0.42	0.36
80N	-0.03	-0.12	-0.20	-0.26	-0.25	-0.18	-0.06	-0.14	0.39	0.63	0.81	0.93	0.98	0.99	0.97	0.96	0.96	0.98
76N	0.52	0.33	0.11	-0.09	-0.21	-0.27	-0.21	-0.04	0.21	0.48	0.70	0.87	0.98	1.04	1.13	1.23	1.37	1.55
72N	1.42	1.15	0.83	0.50	0.19	-0.03	-0.14	-0.15	-0.05	0.08	0.22	0.38	0.52	0.72	0.98	1.26	1.61	1.97
68N	2.08	1.82	1.52	1.18	0.81	0.49	0.19	-0.05	-0.20	-0.29	-0.27	-0.12	0.13	0.50	0.95	1.44	1.94	2.37
64N	2.28	2.11	1.91	1.68	1.41	1.11	0.74	0.38	0.08	-0.07	-0.03	0.22	0.61	1.10	1.63	2.15	2.61	2.91
60N	2.54	2.27	2.21	2.11	1.96	1.76	1.46	1.15	0.96	0.98	1.20	1.59	2.05	2.50	2.90	3.22	3.44	3.49
56N	2.53	2.58	2.66	2.68	2.64	2.56	2.42	2.34	2.45	2.75	3.18	3.61	3.99	4.23	4.32	4.29	4.13	3.87
52N	3.02	3.24	3.48	3.64	3.71	3.74	3.80	4.02	4.48	5.04	5.53	5.80	5.87	5.75	5.45	5.03	4.50	3.95
48N	4.08	4.52	4.90	5.19	5.38	5.56	5.86	6.33	6.93	7.44	7.67	7.53	7.15	6.63	6.00	5.28	4.51	3.83
44N	5.65	6.21	6.62	6.96	7.29	7.69	8.21	8.76	9.17	9.25	8.97	8.37	7.61	6.77	5.90	5.01	4.21	3.63
40N	7.07	7.57	7.92	8.25	8.68	9.25	9.84	10.26	10.26	9.81	9.06	8.17	7.24	6.25	5.24	4.36	3.76	3.43
36N	7.64	8.01	8.27	8.58	9.03	9.58	10.05	10.17	9.74	8.87	7.88	6.98	6.13	5.19	4.27	3.61	3.34	3.40
32N	6.85	7.10	7.34	7.64	8.00	8.35	8.52	8.31	7.65	6.71	5.82	5.17	4.56	3.89	3.33	3.11	3.31	3.76
28N	4.34	4.58	4.87	5.17	5.40	5.54	5.50	5.20	4.68	4.07	3.58	3.23	2.90	2.59	2.52	2.83	3.46	4.09
24N	0.76	0.93	1.25	1.60	1.83	1.94	1.89	1.73	1.50	1.31	1.20	1.10	1.00	1.04	1.40	2.10	2.86	3.41
20N	-2.68	-2.78	-2.53	-2.08	-1.69	-1.52	-1.57	-1.72	-1.83	-1.84	-1.74	-1.62	-1.44	-1.04	-0.34	0.47	1.08	1.37
16N	-6.85	-5.32	-5.24	-4.77	-4.30	-4.17	-4.38	-4.73	-5.00	-5.02	-4.82	-4.48	-3.98	-3.24	-2.32	-1.60	-1.31	-1.34
12N	-4.15	-4.96	-5.23	-5.08	-4.93	-5.10	-5.37	-6.14	-6.56	-6.60	-6.35	-5.88	-5.21	-4.33	-3.43	-2.94	-3.01	-3.32
8N	-1.09	-2.12	-2.94	-3.54	-4.03	-4.55	-5.09	-5.56	-5.78	-5.61	-5.24	-4.81	-4.31	-3.66	-2.98	-2.71	-3.08	-3.72
4N	0.71	-0.13	-1.06	-1.90	-2.47	-2.87	-3.29	-3.76	-4.03	-3.91	-3.63	-3.42	-3.26	-2.98	-2.59	-2.46	-2.91	-3.65
0	0.03	-0.14	-0.45	-0.63	-0.47	-0.29	-0.61	-1.53	-2.53	-3.08	-3.23	-3.41	-3.43	-3.47	-3.34	-3.32	-3.64	-4.05
4S	-1.31	-0.80	-0.41	0.18	1.14	1.88	1.60	0.14	-1.67	-2.92	-3.48	-3.75	-4.05	-4.30	-4.36	-4.37	-4.50	-4.52
8S	-1.87	-1.16	-0.62	0.13	1.29	2.14	1.71	-0.05	-2.16	-3.57	-4.10	-4.26	-4.55	-4.87	-4.95	-4.87	-4.82	-4.65
12S	-1.64	-1.13	-0.96	-0.69	-0.02	0.43	-0.11	-1.54	-3.08	-3.98	-4.11	-4.00	-4.16	-4.35	-4.27	-4.02	-3.83	-3.66
16S	-1.26	-1.02	-1.19	-1.44	-1.41	-1.46	-1.88	-2.47	-2.91	-3.06	-2.90	-2.73	-2.79	-2.82	-2.59	-2.26	-2.03	-1.93
20S	-0.70	-0.76	-1.07	-1.49	-1.85	-2.18	-2.34	-2.09	-1.55	-1.09	-0.87	-0.86	-0.94	-0.93	-0.77	-0.53	-0.38	-0.39
24S	0.17	-0.21	-0.50	-0.79	-1.12	-1.38	-1.20	-0.37	0.76	1.52	1.70	1.55	1.59	1.31	1.28	1.28	1.27	1.15
28S	1.51	0.84	0.60	0.64	0.67	0.78	1.31	2.38	3.59	4.34	4.49	4.33	4.13	3.96	3.74	3.52	3.35	3.14
32S	3.42	2.68	2.50	2.76	3.16	3.67	4.44	5.43	6.36	6.92	7.05	7.00	6.90	6.76	6.54	6.26	6.01	5.77
36S	5.70	5.17	5.05	5.29	5.76	6.42	7.22	8.00	8.61	8.95	9.09	9.16	9.23	9.25	9.16	9.00	8.81	8.61
40S	8.00	7.77	7.68	7.74	8.00	8.51	9.18	9.77	10.19	10.45	10.66	10.90	11.14	11.31	11.41	11.45	11.41	11.30
44S	10.03	10.05	9.94	9.74	9.63	9.81	10.25	10.72	11.10	11.44	11.83	12.28	12.68	13.00	13.26	13.52	13.68	13.69
48S	11.44	11.58	11.43	11.02	10.57	10.41	10.59	10.96	11.40	11.93	12.54	13.14	13.68	14.10	14.50	14.92	15.22	15.35
52S	11.98	12.07	11.89	11.40	10.81	10.42	10.35	10.57	10.97	11.53	12.17	12.76	13.25	13.67	14.08	14.51	14.86	15.07
56S	11.65	11.62	11.41	10.97	10.41	9.92	9.65	9.64	9.80	10.10	10.47	10.80	11.06	11.32	11.58	11.85	12.13	12.36
60S	10.31	10.18	10.01	9.73	9.31	8.84	8.48	8.25	8.13	8.07	8.05	8.01	7.96	7.92	7.93	7.96	8.03	8.19
64S	7.66	7.59	7.57	7.54	7.38	7.11	6.80	6.48	6.15	5.82	5.48	5.13	4.77	4.42	4.07	3.87	3.67	3.64
68S	3.96	4.07	4.28	4.53	4.72	4.76	4.64	4.40	4.05	3.64	3.18	2.66	2.13	1.59	1.07	0.58	0.15	-0.17
72S	0.79	1.01	1.35	1.74	2.09	2.30	2.32	2.20	1.96	1.64	1.24	0.77	0.30	-0.16	-0.63	-1.11	-1.57	-2.02
76S	-0.52	-0.36	-0.14	0.09	0.30	0.39	0.35	0.22	0.04	-0.21	-0.49	-0.78	-1.03	-1.25	-1.47	-1.68	-1.94	-2.23
80S	-0.72	-0.68	-0.67	-0.69	-0.71	-0.80	-0.98	-1.17	-1.35	-1.55	-1.72	-1.82	-1.88	-1.88	-1.86	-1.82	-1.80	-1.82
84S	-0.90	-0.90	-0.94	-1.05	-1.15	-1.27	-1.43	-1.57	-1.66	-1.75	-1.78	-1.75	-1.68	-1.55	-1.38	-1.19	-1.00	-0.84
88S	-1.24	-1.13	-1.03	-0.97	-0.90	-0.82	-0.75	-0.67	-0.56	-0.45	-0.31	-0.16	0.01	0.20	0.40	0.61	0.82	1.01

Table 5.17--Continued

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
88N	-0.30	-0.40	-0.51	-0.61	-0.70	-0.81	-0.92	-1.03	-1.14	-1.23	-1.32	-1.39	-1.46	-1.52	-1.56	-1.57	-1.57	-1.54
84N	0.28	0.19	0.11	0.01	-0.09	-0.23	-0.41	-0.58	-0.78	-1.01	-1.22	-1.39	-1.46	-1.52	-1.56	-1.57	-1.57	-1.54
80N	1.00	1.01	1.03	1.03	0.98	0.88	0.73	0.54	0.30	0.01	-0.29	-0.62	-0.94	-1.21	-1.43	-1.59	-1.69	-1.70
76N	1.73	1.87	2.01	2.14	2.20	2.19	2.13	2.04	1.88	1.64	1.35	1.00	0.65	0.31	0.02	-0.21	-0.37	-0.48
72N	2.30	2.56	2.79	3.02	3.19	3.32	3.42	3.51	3.55	3.49	3.35	3.14	2.87	2.59	2.30	2.03	1.81	-0.48
68N	2.71	2.98	3.21	3.43	3.62	3.82	4.05	4.33	4.62	4.82	4.96	5.02	4.99	4.89	4.73	4.53	4.32	4.09
64N	3.11	3.24	3.34	3.43	3.53	3.69	3.94	4.32	4.77	5.20	5.61	5.98	6.22	6.36	6.41	6.38	6.29	6.12
60N	3.44	3.40	3.32	3.25	3.23	3.29	3.49	3.85	4.34	4.88	5.44	5.99	6.45	6.79	7.02	7.17	7.26	7.23
56N	3.60	3.38	3.17	2.99	2.86	2.80	2.91	3.17	3.58	4.11	4.71	5.30	5.84	6.31	6.66	6.94	7.18	7.26
52N	3.52	3.19	2.92	2.69	2.51	2.38	2.35	2.47	2.75	3.15	3.65	4.14	4.63	5.11	5.50	5.81	6.08	6.24
48N	3.34	3.01	2.76	2.53	2.35	2.18	2.01	1.98	2.10	2.31	2.56	2.80	3.08	3.41	3.69	3.91	4.10	4.31
44N	3.25	3.02	2.87	2.71	2.55	2.36	2.11	1.96	1.94	1.93	1.81	1.65	1.60	1.67	1.77	1.84	1.91	2.10
40N	3.30	3.25	3.25	3.21	3.12	2.94	2.67	2.46	2.36	2.14	1.65	1.11	0.75	0.62	0.59	0.50	0.39	0.45
36N	3.57	3.72	3.84	3.92	3.92	3.77	3.50	3.28	3.14	2.82	2.16	1.43	0.94	0.73	0.63	0.41	0.06	-0.16
32N	4.14	4.36	4.50	4.62	4.66	4.52	4.23	4.01	3.92	3.70	3.21	2.45	2.26	2.09	1.94	1.60	1.05	0.59
28N	4.46	4.56	4.57	4.61	4.62	4.48	4.18	3.95	3.96	4.01	3.95	3.87	3.78	3.65	3.40	3.03	2.61	2.39
24N	3.58	3.46	3.28	3.21	3.26	3.29	3.18	3.01	2.99	3.13	3.42	3.76	3.92	3.79	3.44	3.21	3.33	3.80
20N	1.34	1.09	0.82	0.73	0.96	1.41	1.79	1.78	1.49	1.31	1.52	1.96	2.22	2.12	1.84	1.89	2.56	3.57
16N	-1.48	-1.63	-1.76	-1.76	-1.36	-0.48	0.47	0.69	0.02	-0.78	-1.00	-0.74	-0.54	-0.58	-0.60	-0.19	0.72	1.70
12N	-3.44	-3.24	-2.93	-2.74	-2.43	-1.55	-0.38	0.04	-0.77	-1.02	-2.72	-2.80	-2.76	-2.72	-2.45	-1.80	-1.10	-0.88
8N	-3.94	-3.43	-2.54	-2.09	-2.13	-1.78	-0.80	-0.17	-0.73	-1.91	-2.69	-2.93	-3.04	-3.08	-2.74	-2.06	-1.75	-2.34
4N	-3.92	-3.25	-2.08	-1.51	-1.76	-1.82	-1.04	-0.24	-0.43	-1.31	-1.93	-2.11	-2.27	-2.51	-2.40	-1.94	-1.86	-2.64
0	-3.99	-3.17	-2.10	-1.65	-1.88	-1.92	-1.24	-0.40	-0.33	-0.97	-1.50	-1.62	-1.73	-2.13	-2.44	-2.41	-2.44	-2.94
4S	-4.06	-3.15	-2.30	-2.05	-2.26	-2.22	-1.61	-0.82	-0.59	-1.03	-1.49	-1.55	-1.61	-2.14	-2.86	-3.25	-3.34	-3.48
8S	-4.06	-3.15	-2.44	-2.42	-2.87	-3.03	-2.54	-1.79	-1.53	-1.86	-2.20	-2.20	-2.28	-2.94	-3.88	-4.48	-4.65	-4.68
12S	-3.27	-2.60	-2.17	-2.52	-3.41	-4.03	-3.85	-3.26	-3.00	-3.18	-3.28	-3.08	-3.04	-3.57	-4.33	-4.83	-5.01	-5.10
16S	-1.81	-1.55	-1.51	-2.13	-3.20	-4.10	-4.31	-4.06	-3.93	-4.01	-3.94	-3.57	-3.31	-3.44	-3.73	-3.92	-4.00	-4.02
20S	-0.47	-0.50	-0.64	-1.12	-1.91	-2.70	-3.12	-3.26	-3.44	-3.68	-3.76	-3.58	-3.36	-3.21	-3.07	-2.96	-2.88	-2.71
24S	0.93	0.73	0.61	0.50	0.27	-0.13	-0.55	-0.99	-1.50	-2.02	-2.46	-2.73	-2.82	-2.67	-2.33	-2.02	-1.76	-1.35
28S	2.84	2.54	2.47	2.69	2.96	2.98	2.72	2.22	1.58	0.90	0.17	-0.52	-1.02	-1.14	-0.90	-0.54	-0.13	0.45
32S	5.46	5.14	5.10	5.44	5.88	6.10	6.00	5.69	5.24	4.71	4.08	3.34	2.68	2.36	2.40	2.65	3.02	3.50
36S	8.36	8.13	8.12	8.42	8.77	8.95	8.95	8.86	8.71	8.51	8.22	7.77	7.33	7.11	7.09	7.16	7.30	7.46
40S	11.15	11.03	11.03	11.20	11.39	11.49	11.50	11.52	11.59	11.65	11.62	11.47	11.34	11.34	11.39	11.36	11.29	11.15
44S	13.63	13.59	13.56	13.58	13.65	13.71	13.69	13.71	13.85	14.02	14.09	14.10	14.17	14.31	14.44	14.42	14.29	14.03
48S	15.37	15.33	15.27	15.23	15.32	15.46	15.47	15.41	15.45	15.53	15.54	15.54	15.64	15.81	15.98	16.06	16.02	15.88
52S	15.18	15.21	15.18	15.22	15.42	15.64	15.69	15.55	15.38	15.27	15.17	15.16	15.29	15.51	15.72	15.88	15.96	15.97
56S	12.58	12.74	12.82	12.92	13.11	13.27	13.26	13.07	12.80	12.59	12.51	12.61	12.84	13.11	13.33	13.47	13.53	13.53
60S	8.41	8.62	8.75	8.79	8.83	8.81	8.71	8.55	8.37	8.29	8.34	8.58	8.85	9.07	9.18	9.20	9.11	8.98
64S	3.68	3.74	3.76	3.68	3.56	3.41	3.31	3.29	3.34	3.47	3.72	3.99	4.20	4.27	4.20	4.04	3.84	3.57
68S	-0.45	-0.68	-0.87	-1.06	-1.24	-1.35	-1.34	-1.18	-0.92	-0.61	-0.28	-0.05	0.0	-0.11	-0.34	-0.59	-0.82	-1.01
72S	-2.47	-2.87	-3.18	-3.40	-3.49	-3.46	-3.33	-3.11	-2.84	-2.56	-2.34	-2.26	-2.33	-2.51	-2.72	-2.87	-2.94	-2.96
76S	-2.53	-2.82	-3.03	-3.13	-3.12	-3.02	-2.88	-2.72	-2.58	-2.48	-2.45	-2.49	-2.61	-2.73	-2.82	-2.83	-2.75	-2.64
80S	-1.85	-1.90	-1.91	-1.85	-1.77	-1.67	-1.56	-1.47	-1.43	-1.43	-1.48	-1.56	-1.65	-1.71	-1.74	-1.72	-1.75	-1.72
84S	-0.68	-0.54	-0.38	-0.22	-0.11	-0.01	0.10	0.16	0.17	0.16	0.13	0.06	0.01	-0.02	-0.06	-0.08	-0.08	-0.07
88S	1.16	1.31	1.48	1.60	1.68	1.77	1.85	1.88	1.86	1.82	1.79	1.73	1.67	1.59	1.49	1.39	1.28	1.14



Table 5.17--Continued

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	-1.49	-1.39	-1.29	-1.18	-1.05	-0.93	-0.81	-0.66	-0.51	-0.39	-0.23	-0.08	0.04	0.14	0.25	0.37	0.48	0.55
84N	-1.95	-1.84	-1.70	-1.54	-1.36	-1.17	-0.97	-0.74	-0.52	-0.34	-0.13	0.07	0.21	0.34	0.47	0.56	0.61	0.65
80N	-1.68	-1.61	-1.48	-1.34	-1.19	-1.01	-0.82	-0.63	-0.43	-0.25	-0.08	0.11	0.25	0.35	0.45	0.48	0.49	0.50
76N	-0.53	-0.54	-0.51	-0.47	-0.42	-0.35	-0.29	-0.22	-0.13	-0.06	-0.00	0.08	0.14	0.16	0.17	0.14	0.11	0.09
72N	1.46	1.33	1.19	1.06	0.92	0.79	0.65	0.51	0.39	0.26	0.14	0.03	-0.08	-0.17	-0.26	-0.32	-0.37	-0.43
68N	3.86	3.58	3.25	2.92	2.52	2.12	1.72	1.33	0.96	0.60	0.26	-0.09	-0.38	-0.56	-0.61	-0.54	-0.47	-0.48
64N	5.88	5.51	5.04	4.50	3.87	3.18	2.53	1.95	1.39	0.85	0.33	-0.18	-0.58	-0.75	-0.64	-0.27	0.13	0.39
60N	7.01	6.61	6.08	5.45	4.67	3.82	3.06	2.39	1.77	1.19	0.63	0.11	-0.26	-0.34	-0.05	0.60	1.37	2.01
56N	6.12	6.77	6.28	5.70	4.98	4.20	3.49	2.78	2.38	1.95	1.55	1.19	1.00	1.05	1.45	2.23	3.19	4.10
52N	6.23	6.02	5.71	5.40	5.01	4.55	4.13	3.78	3.56	3.46	3.41	3.41	3.52	3.74	4.14	4.56	5.56	6.40
48N	4.49	4.57	4.62	4.74	4.87	4.96	5.03	5.13	5.35	5.72	6.16	6.65	7.14	7.53	7.79	8.00	8.24	8.58
44N	2.44	2.84	3.28	3.83	4.50	5.20	5.84	6.49	7.20	7.97	8.81	9.65	10.40	10.86	10.90	10.61	10.18	9.82
40N	0.78	1.32	2.00	2.86	3.97	5.18	6.33	7.42	8.44	9.36	10.23	11.05	11.74	12.08	11.88	11.19	10.25	9.40
36N	-0.00	0.47	1.20	2.20	3.55	5.07	6.51	7.75	8.74	9.46	9.96	10.35	10.65	10.68	10.24	9.36	8.24	7.22
32N	0.54	0.84	1.42	2.33	3.65	5.16	6.47	7.40	7.93	8.05	7.90	7.64	7.36	7.02	6.46	5.66	4.69	3.79
28N	2.50	2.76	3.01	3.39	4.11	5.03	5.71	5.95	5.77	5.27	4.61	3.93	3.30	2.77	2.29	1.76	1.13	0.50
24N	4.44	4.85	4.73	4.30	3.99	3.90	3.72	3.27	2.61	1.89	1.23	0.64	0.08	-0.38	-0.69	-0.95	-1.32	-1.73
20N	4.53	5.03	4.74	3.78	2.65	1.68	0.82	0.00	-0.71	-1.25	-1.59	-1.85	-2.15	-2.42	-2.58	-2.71	-2.93	-3.22
16N	2.38	2.67	2.48	1.63	0.31	-1.04	-2.15	-2.96	-3.46	-3.67	-3.66	-3.62	-3.69	-3.82	-3.89	-3.94	-4.07	-4.28
12N	-1.12	-1.31	-1.22	-1.35	-2.07	-3.10	-3.96	-4.45	-4.65	-4.62	-4.44	-4.27	-4.29	-4.44	-4.55	-4.59	-4.65	-4.72
8N	-3.43	-4.02	-3.72	-3.19	-3.20	-3.72	-4.20	-4.37	-4.34	-4.17	-3.88	-3.63	-3.74	-4.13	-4.48	-4.68	-4.74	-4.71
4N	-3.79	-4.34	-3.99	-3.35	-3.14	-3.40	-3.66	-3.66	-3.54	-3.41	-3.18	-3.02	-3.30	-3.86	-4.39	-4.70	-4.78	-4.73
0	-3.58	-3.76	-3.41	-2.96	-2.81	-2.91	-2.99	-2.88	-2.78	-2.84	-2.97	-3.19	-3.64	-4.17	-4.59	-4.81	-4.84	-4.79
4S	-3.55	-3.34	-2.99	-2.76	-2.70	-2.73	-2.67	-2.48	-2.32	-2.39	-2.69	-3.17	-3.74	-4.16	-4.40	-4.51	-4.53	-4.55
8S	-4.59	-4.29	-3.91	-3.62	-3.48	-3.42	-3.34	-3.11	-2.62	-2.06	-1.76	-1.92	-2.43	-2.83	-2.98	-3.09	-3.28	-3.49
12S	-5.13	-4.99	-4.68	-4.30	-4.05	-4.07	-4.29	-4.31	-3.66	-2.39	-1.14	-0.56	-0.67	-0.88	-0.82	-0.75	-0.92	-1.17
16S	-4.01	-3.96	-3.81	-3.54	-3.36	-3.66	-4.38	-4.93	-4.62	-3.33	-1.73	-0.65	-0.30	-0.13	0.28	0.72	0.91	0.91
20S	-2.46	-2.25	-2.11	-1.96	-1.94	-2.42	-3.40	-4.30	-4.48	-3.72	-2.42	-1.82	-0.76	-0.41	0.11	0.72	1.15	1.40
24S	-0.77	-0.23	0.08	0.17	0.06	-0.41	-1.23	-2.11	-2.66	-2.61	-1.99	-1.23	-0.75	-0.45	-0.10	0.35	0.76	1.11
28S	1.23	2.02	2.45	2.60	2.50	2.26	1.89	1.37	0.72	0.17	0.05	0.29	0.53	0.61	0.40	0.66	0.84	1.14
32S	4.12	4.74	5.10	5.18	5.15	5.17	5.23	5.13	4.64	3.88	3.26	2.94	2.79	2.55	2.19	1.90	1.84	2.06
36S	7.62	7.74	7.77	7.73	7.71	7.82	8.08	8.22	7.96	7.31	6.49	5.74	5.17	4.64	4.06	3.57	3.38	3.54
40S	10.89	10.58	10.32	10.18	10.10	10.16	10.38	10.56	10.46	9.97	9.17	8.28	7.53	6.88	6.20	5.62	5.34	5.36
44S	13.60	13.11	12.75	12.54	12.38	12.30	12.35	12.41	12.33	11.98	11.38	10.66	10.02	9.42	8.80	8.22	7.85	7.63
48S	15.58	15.21	14.92	14.70	14.46	14.25	14.12	14.01	13.84	13.61	13.30	12.94	12.58	12.20	11.74	11.26	10.82	10.34
52S	15.88	15.72	15.58	15.41	15.21	15.01	14.84	14.70	14.56	14.45	14.39	14.32	14.22	14.09	13.90	13.64	13.28	12.74
56S	13.48	13.42	13.37	13.30	13.27	13.26	13.25	13.28	13.34	13.43	13.55	13.65	13.72	13.83	13.98	14.08	14.04	13.78
60S	8.87	8.80	8.78	8.84	9.00	9.20	9.42	9.70	10.01	10.31	10.62	10.90	11.15	11.48	11.96	12.45	12.81	13.02
64S	3.41	3.34	3.36	3.52	3.80	4.15	4.55	5.02	5.52	5.99	6.47	6.94	7.38	7.88	8.56	9.30	9.97	10.54
68S	-1.12	-1.15	-1.07	-0.85	-0.53	-0.14	0.32	0.82	1.36	1.92	2.49	3.07	3.62	4.19	4.84	5.51	6.15	6.74
72S	-2.94	-2.86	-2.72	-2.52	-2.25	-1.95	-1.60	-1.23	-0.81	-0.34	0.15	0.64	1.10	1.52	1.89	2.18	2.43	2.65
76S	-2.53	-2.40	-2.27	-2.13	-2.00	-1.87	-1.73	-1.58	-1.38	-1.14	-0.92	-0.71	-0.49	-0.36	-0.33	-0.42	-0.56	-0.73
80S	-1.43	-1.37	-1.33	-1.32	-1.34	-1.40	-1.48	-1.54	-1.60	-1.64	-1.71	-1.78	-1.84	-1.96	-2.05	-2.15	-2.27	-2.39
84S	-0.09	-0.16	-0.26	-0.39	-0.56	-0.77	-1.01	-1.25	-1.49	-1.74	-2.00	-2.26	-2.51	-2.78	-3.06	-3.35	-3.62	-3.86
88S	1.00	0.83	0.63	0.42	0.20	-0.05	-0.31	-0.59	-0.86	-1.13	-1.41	-1.68	-1.94	-2.20	-2.44	-2.67	-2.89	-3.06

Table 5.18

APRIL 800 mb MERIDIONAL GEOSTROPHIC (m/sec)

	177.5W	172.5W	167.5W	162.5W	157.5W	152.5W	147.5W	142.5W	137.5W	132.5W	127.5W	122.5W	117.5W	112.5W	107.5W	102.5W	97.5W	92.5W
80N	0.92	0.83	0.74	0.64	0.55	0.47	0.38	0.30	0.22	0.15	0.07	0.00	-0.06	-0.12	-0.17	-0.24	-0.28	-0.29
84N	0.64	0.53	0.41	0.30	0.20	0.09	-0.04	-0.16	-0.25	-0.32	-0.37	-0.39	-0.41	-0.42	-0.40	-0.36	-0.29	-0.19
88N	0.48	0.40	0.34	0.26	0.17	0.03	-0.14	-0.32	-0.47	-0.58	-0.67	-0.72	-0.74	-0.71	-0.65	-0.58	-0.50	-0.39
76N	0.36	0.41	0.47	0.48	0.42	0.29	0.10	-0.31	-0.50	-0.66	-0.77	-0.84	-0.84	-0.79	-0.84	-0.91	-0.77	-0.72
72N	0.23	0.43	0.66	0.80	0.85	0.80	0.67	0.52	0.31	0.04	-0.22	-0.47	-0.69	-0.79	-0.84	-0.91	-1.00	-1.08
68N	0.05	0.33	0.72	1.05	1.27	1.38	1.39	1.37	1.27	1.00	0.60	0.10	-0.38	-0.71	-0.92	-1.06	-1.21	-1.37
64N	-0.08	0.11	0.58	1.07	1.44	1.70	1.88	2.05	2.13	1.97	1.47	0.69	-0.11	-0.70	-1.05	-1.26	-1.41	-1.56
60N	0.07	-0.02	0.32	0.82	1.27	1.63	1.96	2.30	2.56	2.57	2.07	1.09	0.03	-0.74	-1.19	-1.45	-1.60	-1.68
56N	0.56	0.05	0.07	0.38	0.79	1.23	1.69	2.12	2.47	2.62	2.22	1.24	0.08	-0.81	-1.32	-1.62	-1.73	-1.74
52N	1.28	0.31	-0.12	-0.12	0.18	0.68	1.19	1.59	1.90	2.10	1.87	1.10	0.04	-0.88	-1.47	-1.79	-1.85	-1.71
48N	1.80	0.53	-0.21	-0.47	-0.32	0.12	0.55	0.80	0.95	1.13	1.09	0.62	-0.21	-1.03	-1.60	-1.84	-1.73	-1.41
44N	1.78	0.51	-0.25	-0.61	-0.59	-0.33	-0.12	-0.11	-0.12	-0.02	0.04	-0.23	-0.79	-1.31	-1.52	-1.42	-1.09	-0.70
40N	1.42	0.35	-0.27	-0.61	-0.69	-0.62	-0.66	-0.86	-1.04	-1.06	-1.09	-1.32	-1.60	-1.60	-1.15	-0.49	0.06	0.31
36N	0.95	0.17	-0.27	-0.52	-0.64	-0.70	-0.90	-1.26	-1.61	-1.83	-2.08	-2.36	-2.38	-1.78	-0.59	0.65	1.33	1.33
32N	0.51	0.03	-0.24	-0.41	-0.47	-0.53	-0.77	-1.23	-1.74	-2.17	-2.63	-2.99	-2.79	-1.77	-0.13	1.48	2.29	2.10
28N	0.18	-0.13	-0.30	-0.36	-0.27	-0.17	-0.34	-0.83	-1.44	-1.97	-2.49	-2.84	-2.59	-1.62	-0.11	1.52	2.55	2.51
24N	-0.10	-0.37	-0.50	-0.44	-0.13	0.16	0.10	-0.36	-0.95	-1.46	-1.95	-2.26	-2.10	-1.51	-0.50	0.97	2.32	2.70
20N	-0.37	-0.64	-0.79	-0.64	-0.15	0.33	0.36	-0.04	-0.53	-0.98	-1.49	-1.83	-1.78	-1.50	-0.93	0.37	1.95	2.72
16N	-0.56	-0.86	-1.08	-0.95	-0.33	0.32	0.45	0.14	-0.20	-0.58	-1.15	-1.57	-1.59	-1.49	-1.18	-0.10	1.48	2.42
12N	-0.60	-0.89	-1.23	-1.19	-0.54	0.22	0.45	0.25	0.03	-0.28	-0.82	-1.21	-1.25	-1.21	-1.06	-0.31	0.84	1.60
8N	-0.46	-0.75	-1.19	-1.22	-0.94	0.26	0.52	0.35	0.19	-0.02	-0.35	-0.55	-0.60	-0.68	-0.68	-0.27	0.33	0.69
4N	-0.24	-0.60	-1.03	-1.03	-0.44	0.20	0.40	0.26	0.14	0.04	-0.09	-0.19	-0.28	-0.38	-0.34	-0.04	0.29	0.40
0	-0.03	-0.45	-0.75	-0.70	-0.45	-0.22	-0.11	-0.11	-0.15	-0.18	-0.27	-0.47	-0.60	-0.47	-0.15	0.25	0.61	0.70
4S	0.11	-0.32	-0.47	-0.37	-0.42	-0.60	-0.63	-0.57	-0.54	-0.52	-0.58	-0.86	-1.03	-0.69	-0.07	0.53	1.06	1.28
8S	0.09	-0.26	-0.30	-0.14	-0.20	-0.51	-0.78	-0.94	-0.98	-0.89	-0.91	-0.96	-1.13	-0.83	-0.08	0.76	1.51	1.95
12S	-0.03	-0.22	-0.20	-0.02	-0.02	-0.35	-0.83	-1.20	-1.29	-1.17	-0.97	-0.93	-0.90	-0.91	-0.15	0.88	1.84	2.49
16S	-0.06	-0.13	-0.09	0.01	-0.08	-0.51	-1.04	-1.31	-1.33	-1.27	-1.13	-1.06	-1.16	-1.03	-0.32	0.73	1.83	2.65
20S	0.07	0.05	0.07	0.09	-0.12	-0.62	-1.10	-1.22	-1.17	-1.21	-1.25	-1.20	-1.23	-1.14	-0.63	0.27	1.40	2.39
24S	0.36	0.35	0.32	0.27	0.02	-0.48	-0.91	-0.97	-0.93	-1.09	-1.26	-1.23	-1.21	-1.22	-0.99	-0.38	0.66	1.74
28S	0.76	0.74	0.64	0.55	0.31	-0.13	-0.53	-0.66	-0.71	-0.94	-1.13	-1.10	-1.09	-1.24	-1.31	-1.02	-0.21	0.81
32S	1.18	1.15	0.96	0.80	0.58	0.20	-0.21	-0.41	-0.50	-0.67	-0.80	-0.80	-0.90	-1.19	-1.44	-1.43	-0.97	-0.22
36S	1.57	1.55	1.25	0.95	0.69	0.33	-0.06	-0.26	-0.26	-0.27	-0.34	-0.43	-0.69	-1.07	-1.38	-1.56	-1.46	-1.06
40S	1.90	1.90	1.49	1.03	0.66	0.33	0.01	-0.13	-0.04	0.08	0.06	0.10	-0.46	-0.86	-1.17	-1.44	-1.62	-1.49
44S	1.95	2.01	1.56	1.01	0.59	0.28	0.05	-0.00	0.18	0.35	0.34	0.18	-0.15	-0.52	-0.78	-1.07	-1.41	-1.47
48S	1.55	1.68	1.34	0.86	0.45	0.16	0.06	0.17	0.43	0.56	0.52	0.42	0.23	-0.05	-0.28	-0.53	-0.89	-1.05
52S	0.62	0.84	0.73	0.48	0.19	-0.02	0.02	0.33	0.67	0.75	0.66	0.66	0.63	0.41	0.12	-0.13	-0.39	-0.54
56S	-0.35	-0.11	0.01	-0.02	-0.15	-0.25	-0.09	0.33	0.74	0.85	0.79	0.89	0.96	0.69	0.27	-0.04	-0.21	-0.30
60S	-0.73	-0.57	-0.42	-0.39	-0.47	-0.52	-0.37	0.01	0.43	0.64	0.74	0.96	1.07	0.74	0.21	-0.17	-0.32	-0.41
64S	-0.28	-0.34	-0.39	-0.52	-0.73	-0.91	-0.93	-0.72	-0.38	-0.04	0.29	0.64	0.79	0.49	-0.03	-0.42	-0.58	-0.69
68S	0.84	0.46	0.02	-0.47	-0.96	-1.45	-1.80	-1.87	-1.64	-1.24	-0.75	-0.26	0.00	-0.12	-0.47	-0.73	-0.83	-0.91
72S	1.84	1.19	0.42	-0.41	-1.22	-2.01	-2.65	-2.97	-2.93	-2.63	-2.16	-1.66	-1.27	-1.11	-1.11	-1.08	-0.97	-0.87
76S	2.04	1.28	0.42	-0.51	-1.43	-2.30	-3.01	-3.46	-3.62	-3.52	-3.23	-2.86	-2.46	-2.10	-1.78	-1.44	-1.06	-0.71
80S	1.68	0.98	0.21	-0.59	-1.38	-2.19	-2.73	-3.18	-3.45	-3.53	-3.45	-3.25	-2.94	-2.59	-2.21	-1.74	-1.19	-0.69
84S	1.36	0.81	0.23	-0.35	-0.89	-1.30	-1.87	-2.36	-2.53	-2.70	-2.78	-2.77	-2.65	-2.49	-2.23	-1.86	-1.40	-0.98
88S	1.34	1.01	0.67	0.33	-0.02	-0.29	-0.60	-0.89	-1.15	-1.35	-1.54	-1.68	-1.79	-1.89	-1.90	-1.86	-1.40	-1.71

Table 5.18--Continued

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	-0.31	-0.34	-0.38	+0.42	-0.46	-0.54	-0.63	-0.74	-0.84	-0.90	-0.96	-1.02	-1.08	-1.14	-1.18	-1.21	-1.21	-1.22
84N	-0.10	-0.02	0.07	0.14	0.20	0.20	0.14	0.03	-0.11	-0.26	-0.44	-0.65	-0.83	-0.99	-1.12	-1.20	-1.20	-1.21
80N	-0.26	-0.11	0.08	0.29	0.53	0.73	0.87	0.90	0.79	0.57	0.22	-0.18	-0.51	-0.78	-0.96	-1.01	-0.98	-0.95
76N	-0.65	-0.54	-0.33	+0.01	0.42	0.89	1.32	1.56	1.56	1.31	0.84	0.29	-0.17	-0.48	-0.65	-0.62	-0.52	-0.45
72N	-1.15	-1.16	-1.01	+0.67	-0.12	0.58	1.28	1.77	1.94	1.72	1.21	0.63	0.17	-0.08	-0.11	0.05	0.22	0.30
68N	-1.53	-1.65	-1.63	+1.37	-0.83	-0.07	0.74	1.37	1.69	1.61	1.25	0.87	0.62	0.58	0.74	0.97	1.10	1.08
64N	-1.71	-1.87	-1.94	+1.80	-1.37	-0.72	0.01	0.63	1.06	1.26	1.26	1.22	1.25	1.42	1.68	1.86	1.81	1.58
60N	-1.77	-1.89	-2.01	+1.95	-1.65	-1.16	-0.59	0.01	0.62	1.14	1.51	1.75	1.91	2.11	2.35	2.40	2.12	1.68
56N	-1.72	-1.77	-1.89	+1.91	-1.73	-1.40	-0.93	-0.25	0.59	1.39	1.99	2.33	2.43	2.48	2.53	2.41	1.96	1.39
52N	-1.54	-1.51	-1.64	+1.76	-1.68	-1.42	-0.95	-0.06	1.07	2.02	2.55	2.71	2.61	2.41	2.22	1.92	1.37	0.82
48N	-1.12	-1.07	-1.27	+1.52	-1.53	-1.26	-0.64	0.50	1.80	2.62	2.80	2.59	2.25	1.89	1.52	1.08	0.52	0.11
44N	-0.46	-0.52	-0.85	+1.18	-1.20	-0.88	-0.10	1.15	2.33	2.78	2.50	1.95	1.45	1.02	0.60	0.12	-0.35	-0.54
40N	0.28	-0.04	-0.50	+0.80	-0.71	-0.27	0.52	1.59	2.40	2.42	1.80	1.05	0.47	-0.01	-0.42	-0.78	-1.01	-0.95
36N	0.90	0.31	-0.23	+0.43	-0.15	0.38	1.04	1.70	2.01	1.66	0.88	0.11	-0.52	-1.07	-1.43	-1.50	-1.36	-1.06
32N	1.36	0.57	0.01	+0.08	0.33	0.88	1.29	1.49	1.31	0.73	0.00	-0.65	-1.34	-1.99	-2.21	-1.88	-1.34	-0.86
28N	1.75	0.89	0.29	0.21	0.63	1.10	1.29	1.15	0.69	0.05	-0.56	-1.15	-1.90	-2.57	-2.56	-1.79	-0.93	-0.44
24N	2.14	1.27	0.63	0.50	0.85	1.24	1.31	0.99	0.42	-0.24	-0.84	-1.48	-2.29	-2.85	-2.50	-1.34	-0.32	-0.03
20N	2.42	1.67	1.08	0.95	1.23	1.52	1.46	1.04	0.40	-0.29	-0.97	-1.73	-2.59	-2.98	-2.26	-0.80	0.21	0.20
16N	2.39	1.94	1.59	1.56	1.74	1.81	1.58	1.07	0.42	-0.26	-0.97	-1.82	-2.69	-2.90	-1.91	-0.35	0.52	0.24
12N	1.79	1.80	1.90	2.04	2.03	1.79	1.31	0.75	0.25	-0.23	-0.79	-1.53	-2.28	-2.35	-1.38	-0.07	0.52	0.11
8N	0.87	1.18	1.59	1.88	1.82	1.40	0.82	0.35	0.10	-0.09	-0.46	-1.08	-1.68	-1.65	-0.85	0.01	0.17	-0.20
4N	0.41	0.64	1.08	1.43	1.38	0.89	0.29	-0.06	-0.11	-0.11	-0.27	-0.64	-1.01	-1.04	-0.57	-0.07	-0.01	-0.19
0	0.55	0.54	0.92	1.28	1.10	0.38	-0.41	-0.78	-0.76	-0.59	-0.32	-0.08	-0.09	-0.36	-0.49	-0.18	0.28	0.46
4S	1.01	0.74	1.03	1.46	1.14	0.02	-1.23	-1.88	-1.80	-1.28	-0.48	0.36	0.68	0.16	-0.49	-0.27	0.67	1.27
8S	1.73	1.27	1.50	2.15	1.84	0.03	-2.26	-3.61	-3.37	-2.11	-0.69	0.36	0.74	0.25	-0.46	-0.26	0.87	1.77
12S	2.35	1.72	1.86	2.78	2.57	0.13	-3.20	-5.19	-4.72	-2.66	-0.75	0.21	0.43	0.12	-0.32	-0.10	0.93	1.94
16S	2.55	1.70	1.65	2.67	2.58	0.00	-3.55	-5.58	-4.93	-2.59	-0.57	0.24	0.32	0.13	-0.10	0.13	0.99	1.94
20S	2.37	1.41	1.16	2.10	2.10	-0.19	-3.28	-4.88	-4.16	-2.09	-0.36	0.25	0.25	0.19	0.12	0.31	0.98	1.73
24S	1.86	0.99	0.70	1.46	1.49	-0.31	-2.56	-3.51	-2.87	-1.44	-0.27	0.12	0.14	0.19	0.20	0.36	0.86	1.39
28S	1.07	0.53	0.46	1.14	1.12	-0.24	-1.67	-2.03	-1.57	-0.87	-0.33	-0.11	-0.01	0.05	0.05	0.24	0.66	1.03
32S	0.14	0.07	0.45	1.25	1.27	0.19	-0.76	-0.85	-0.61	-0.47	-0.36	-0.24	-0.14	-0.15	-0.20	-0.01	0.42	0.72
36S	-0.66	-0.30	0.52	1.57	1.76	0.91	0.11	-0.03	-0.02	-0.20	-0.29	-0.20	-0.14	-0.26	-0.39	-0.24	0.17	0.43
40S	-1.11	-0.52	0.54	1.79	2.22	1.60	0.85	0.55	0.34	0.01	-0.14	-0.03	0.01	-0.20	-0.42	-0.32	0.00	0.20
44S	-1.16	-0.59	0.43	1.73	2.40	2.09	1.45	1.02	0.68	0.31	0.19	0.32	0.33	0.04	-0.23	-0.18	0.00	0.10
48S	-0.89	-0.58	0.15	1.33	2.21	2.30	1.93	1.53	1.17	0.85	0.79	0.90	0.82	0.45	0.17	0.18	0.19	0.10
52S	-0.56	-0.58	-0.25	0.67	1.66	2.18	2.24	2.09	1.87	1.69	1.67	1.68	1.44	0.99	0.72	0.70	0.53	0.22
56S	-0.48	-0.73	-0.71	+0.08	0.91	1.77	2.29	2.49	2.51	2.47	2.47	2.38	2.02	1.53	1.28	1.22	0.95	0.54
60S	-0.65	-1.03	-1.19	+0.78	0.13	1.19	2.05	2.53	2.73	2.81	2.82	2.70	2.31	1.85	1.62	1.55	1.34	1.02
64S	-0.94	-1.31	-1.53	+1.28	-0.49	0.61	1.61	2.25	2.55	2.66	2.68	2.53	2.14	1.74	1.55	1.53	1.50	1.38
68S	-1.07	-1.33	-1.49	+1.29	-0.65	0.31	1.23	1.85	2.12	2.18	2.10	1.85	1.43	1.04	0.87	0.96	1.13	1.26
72S	-0.82	-0.81	-0.77	+0.53	-0.04	0.61	1.23	1.61	1.70	1.56	1.27	0.83	0.31	-0.14	-0.32	-0.22	0.03	0.29
76S	-0.40	-0.10	0.18	0.49	0.82	1.15	1.38	1.43	1.25	0.89	0.41	-0.18	-0.77	-1.23	-1.49	-1.50	-1.31	-1.09
80S	-0.27	0.14	0.52	0.82	1.01	1.09	1.05	0.86	0.52	0.09	-0.42	-1.00	-1.51	-2.22	-2.31	-2.22	-2.11	-2.11
84S	-0.65	-0.36	-0.08	0.11	0.16	0.11	-0.05	-0.32	-0.63	-0.94	-1.28	-1.66	-1.99	-2.25	-2.48	-2.57	-2.53	-2.44
88S	-1.65	-1.61	-1.58	+1.56	-1.58	-1.65	-1.77	-1.90	-2.00	-2.06	-2.14	-2.22	-2.29	-2.30	-2.31	-2.27	-2.18	-2.01

Table 5.18--Continued

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
88N	-1.21	-1.19	-1.15	-1.10	-1.05	-1.01	-0.96	-0.88	-0.81	-0.72	-0.60	-0.46	-0.30	-0.16	-0.03	0.15	0.34	0.51
84N	-1.26	-1.30	-1.32	-1.35	-1.38	-1.43	-1.48	-1.48	-1.46	-1.41	-1.30	-1.12	-0.88	-0.63	-0.38	-0.07	0.26	0.57
80N	-0.98	-1.06	-1.13	-1.25	-1.42	-1.61	-1.81	-1.97	-2.07	-2.11	-2.07	-1.90	-1.62	-1.28	-0.88	-0.43	0.05	0.57
76N	-0.45	-0.54	-0.68	-0.88	-1.17	-1.51	-1.86	-2.17	-2.42	-2.62	-2.69	-2.58	-2.33	-1.93	-1.42	-0.86	-0.27	0.28
72N	0.26	0.13	-0.07	-0.35	-0.69	-1.11	-1.54	-1.95	-2.36	-2.72	-2.95	-2.98	-2.81	-2.43	-1.90	-1.30	-0.68	-0.09
68N	0.92	0.72	0.47	0.16	-0.16	-0.53	-0.91	-1.31	-1.78	-2.25	-2.63	-2.84	-2.83	-2.59	-2.14	-1.60	-1.03	-0.53
64N	1.27	0.98	0.73	0.44	0.19	-0.03	-0.22	-0.47	-0.87	-1.35	-1.81	-2.18	-2.38	-2.33	-2.06	-1.65	-1.25	-0.92
60N	1.25	0.94	0.70	0.46	0.28	0.24	0.31	0.29	0.05	-0.36	-0.83	-1.31	-1.68	-1.82	-1.71	-1.43	-1.22	-1.13
56N	0.96	0.68	0.48	0.29	0.17	0.32	0.66	0.87	0.82	0.55	0.12	-0.41	-0.89	-1.18	-1.19	-1.02	-0.98	-1.18
52N	0.49	0.31	0.18	0.03	-0.03	0.27	0.82	1.23	1.38	1.26	0.89	0.36	-0.17	-0.53	-0.63	-0.54	-0.65	-1.11
48N	-0.02	-0.05	-0.12	-0.23	-0.24	0.11	0.76	1.36	1.70	1.68	1.34	0.84	0.35	-0.04	-0.23	-0.22	-0.38	-0.94
44N	-0.44	-0.32	-0.33	-0.43	-0.46	-0.13	0.56	1.31	1.78	1.77	1.37	0.91	0.54	0.19	-0.05	-0.10	-0.19	-0.63
40N	-0.67	-0.44	-0.43	-0.56	-0.66	-0.40	0.33	1.21	1.71	1.56	1.01	0.59	0.40	0.21	-0.02	-0.12	-0.11	-0.32
36N	-0.67	-0.42	-0.41	-0.60	-0.80	-0.66	0.08	1.09	1.55	1.12	0.36	0.00	0.08	0.12	-0.10	-0.32	-0.27	-0.20
32N	-0.48	-0.29	-0.31	-0.56	-0.90	-0.93	-0.16	1.01	1.43	0.67	-0.37	-0.64	-0.26	0.00	-0.27	-0.71	-0.73	-0.41
28N	-0.25	-0.19	-0.24	-0.53	-1.03	-1.25	-0.46	0.98	1.54	0.55	-0.74	-1.01	-0.45	-0.12	-0.56	-1.25	-1.29	-0.68
24N	-0.17	-0.29	-0.35	-0.60	-1.17	-1.57	-0.78	0.99	1.84	0.84	-0.62	-0.98	-0.51	-0.36	-0.98	-1.66	-1.46	-0.49
20N	-0.30	-0.61	-0.62	-0.89	-1.18	-1.66	-0.91	1.01	2.07	1.15	-0.30	-0.76	-0.54	-0.71	-1.41	-1.79	-1.07	0.31
16N	-0.52	-0.96	-0.90	-0.70	-0.91	-1.31	-0.72	0.98	1.95	1.16	-0.10	-0.52	-0.54	-1.02	-1.70	-1.63	-0.34	1.33
12N	-0.61	-1.02	-0.95	-0.57	-0.38	-0.48	-0.12	0.82	1.22	0.56	-0.22	-0.41	-0.52	-1.05	-1.54	-1.15	0.28	1.81
8N	-0.50	-0.55	-0.55	-0.41	-0.10	0.27	0.64	0.73	0.29	-0.34	-0.58	-0.47	-0.56	-0.92	-1.06	-0.60	0.38	1.33
4N	-0.20	-0.10	-0.20	-0.33	-0.10	0.44	0.84	0.66	0.05	-0.40	-0.46	-0.35	-0.42	-0.57	-0.50	-0.17	0.25	0.62
0	0.30	-0.03	-0.30	-0.30	-0.03	0.25	0.36	0.39	0.51	0.57	0.38	0.13	0.06	0.06	0.07	0.16	0.25	0.26
4S	0.91	0.08	-0.41	-0.32	-0.01	0.02	-0.11	0.20	1.07	1.59	1.24	0.67	0.49	0.47	0.36	0.32	0.27	0.07
8S	1.63	0.75	-0.11	-0.45	-0.23	0.04	0.13	0.45	1.22	1.72	1.48	0.93	0.24	0.13	-0.02	0.16	0.24	0.02
12S	2.18	1.50	0.21	-0.84	-0.79	0.04	0.67	0.91	1.13	1.36	1.37	1.02	0.24	-0.55	-0.67	-0.14	0.54	0.01
16S	2.29	1.66	0.07	-1.43	-1.50	-0.29	0.79	1.10	1.08	1.22	1.44	1.18	0.19	-0.83	-0.95	-0.31	0.10	-0.01
20S	2.05	1.48	-0.18	-1.91	-2.07	-0.72	0.60	0.98	0.87	1.03	1.43	1.31	0.32	-0.72	-0.87	-0.29	0.13	0.09
24S	1.64	1.18	-0.33	-2.01	-2.28	-1.05	0.24	0.57	0.41	0.60	1.13	1.18	0.41	-0.42	-0.54	-0.09	0.29	0.37
28S	1.20	0.87	-0.28	-1.71	-2.09	-1.18	-0.19	0.01	-0.20	-0.03	0.51	0.69	0.26	-0.17	-0.14	0.23	0.61	0.88
32S	0.80	0.60	-0.14	-1.21	-1.66	-1.11	-0.47	-0.45	-0.71	-0.62	-0.21	-0.06	-0.19	-0.20	0.10	0.54	0.97	1.40
36S	0.47	0.41	0.02	-0.75	-1.23	-0.96	-0.53	-0.62	-0.94	-0.95	-0.72	-0.65	-0.63	-0.35	0.15	0.70	1.18	1.63
40S	0.26	0.31	0.14	-0.44	-0.95	-0.85	-0.53	-0.61	-0.90	-0.98	-0.92	-0.90	-0.77	-0.37	0.18	0.68	1.13	1.51
44S	0.16	0.27	0.17	-0.32	-0.83	-0.83	-0.53	-0.51	-0.72	-0.85	-0.92	-0.91	-0.68	-0.24	0.21	0.59	0.93	1.13
48S	0.10	0.19	0.10	-0.33	-0.77	-0.82	-0.56	-0.46	-0.56	-0.71	-0.88	-0.85	-0.53	-0.07	0.30	0.56	0.74	0.74
52S	0.10	0.13	0.04	-0.24	-0.53	-0.65	-0.61	-0.60	-0.68	-0.82	-0.95	-0.81	-0.35	0.17	0.52	0.71	0.76	0.61
56S	0.33	0.27	0.13	-0.05	-0.20	-0.43	-0.73	-0.96	-1.08	-1.14	-1.07	-0.67	-0.00	0.58	0.87	0.96	0.89	0.64
60S	0.80	0.60	0.32	0.07	-0.13	-0.48	-1.00	-1.38	-1.50	-1.38	-1.00	-0.33	0.47	1.02	1.17	1.07	0.85	0.53
64S	1.23	0.93	0.45	-0.01	-0.37	-0.80	-1.32	-1.65	-1.64	-1.32	-0.69	0.13	0.88	1.27	1.21	0.89	0.53	0.22
68S	1.22	0.88	0.29	-0.33	-0.81	-1.19	-1.48	-1.55	-1.33	-0.85	-0.16	0.56	1.07	1.19	0.91	0.44	0.03	-0.19
72S	0.36	0.12	-0.23	-0.81	-1.17	-1.32	-1.28	-1.04	-0.65	-0.17	0.35	0.80	0.99	0.86	0.47	0.02	-0.27	-0.35
76S	-0.99	-1.04	-1.16	-1.29	-1.35	-1.26	-0.98	-0.58	-0.17	0.21	0.53	0.76	0.78	0.57	0.27	0.01	-0.10	-0.04
80S	-2.02	-1.93	-1.81	-1.66	-1.49	-1.25	-0.90	-0.49	-0.12	0.18	0.42	0.57	0.60	0.51	0.41	0.39	0.48	0.64
84S	-2.34	-2.21	-1.98	-1.71	-1.45	-1.18	-0.87	-0.51	-0.20	0.07	0.30	0.47	0.59	0.69	0.80	0.99	1.21	1.43
88S	-1.86	-1.69	-1.46	-1.21	-0.97	-0.72	-0.46	-0.19	0.08	0.32	0.56	0.76	0.96	1.16	1.35	1.58	1.82	2.01

Table 5.18--Continued

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	0.65	0.80	0.95	1.06	1.17	1.27	1.32	1.37	1.40	1.39	1.38	1.35	1.30	1.27	1.21	1.14	1.07	1.00
84N	0.85	1.11	1.35	1.53	1.70	1.83	1.91	1.93	1.91	1.86	1.79	1.67	1.51	1.37	1.22	1.05	0.89	0.75
80N	0.91	1.27	1.56	1.79	1.97	2.11	2.22	2.24	2.22	2.16	2.05	1.86	1.63	1.38	1.13	0.90	0.70	0.57
76N	0.78	1.20	1.52	1.76	1.92	2.03	2.14	2.19	2.20	2.16	2.02	1.82	1.54	1.23	0.94	0.68	0.48	0.38
72N	0.45	0.88	1.18	1.39	1.51	1.58	1.68	1.77	1.82	1.80	1.67	1.47	1.20	0.91	0.64	0.40	0.23	0.16
68N	0.07	0.29	0.52	0.64	0.71	0.78	0.87	0.97	1.04	1.04	0.95	0.80	0.62	0.51	0.43	0.30	0.12	-0.01
64N	-0.64	-0.41	-0.34	-0.38	-0.40	-0.32	-0.18	-0.06	0.03	0.07	0.02	-0.06	-0.02	0.26	0.61	0.68	0.43	0.08
60N	-1.10	-1.09	-1.21	-1.46	-1.62	-1.55	-1.31	-1.10	-0.96	-0.86	-0.87	-0.85	-0.52	0.26	1.18	1.58	1.27	0.60
56N	-1.46	-1.70	-2.01	-2.44	-2.74	-2.67	-2.33	-2.03	-1.77	-1.59	-1.55	-1.42	-0.80	0.47	1.95	2.74	2.47	1.52
52N	-1.70	-2.17	-2.59	-3.11	-3.52	-3.46	-3.04	-2.59	-2.21	-1.94	-1.84	-1.61	-0.80	0.80	2.69	3.86	3.72	2.61
48N	-1.70	-2.29	-2.69	-3.18	-3.66	-3.66	-3.20	-2.63	-2.10	-1.71	-1.53	-1.26	-0.41	1.18	3.10	4.40	4.41	3.30
44N	-1.37	-1.99	-2.29	-2.67	-3.13	-3.19	-2.75	-2.11	-1.45	-0.94	-0.71	-0.43	0.28	1.55	3.09	4.22	4.28	3.27
40N	-0.89	-1.43	-1.63	-1.81	-2.15	-2.22	-1.82	-1.16	-0.48	0.01	0.26	0.49	1.00	1.82	2.79	3.55	3.58	2.71
36N	-0.47	-0.81	-0.81	-0.72	-0.85	-0.89	-0.55	-0.00	0.53	0.86	1.01	1.17	1.48	1.87	2.27	2.62	2.57	1.91
32N	-0.28	-0.30	0.01	0.48	0.63	0.62	0.79	1.07	1.25	1.27	1.25	1.35	1.56	1.68	1.68	1.71	1.61	1.15
28N	-0.19	0.02	0.55	1.43	1.91	1.87	1.71	1.57	1.33	1.03	0.85	0.96	1.24	1.35	1.24	1.12	0.98	0.63
24N	0.16	0.19	0.56	1.62	2.44	2.43	1.93	1.39	0.88	0.45	0.23	0.40	0.83	1.10	1.05	0.86	0.63	0.29
20N	0.88	0.33	0.10	1.06	2.16	2.28	1.63	0.90	0.36	-0.01	-0.15	0.07	0.60	1.01	1.05	0.79	0.41	-0.00
16N	1.70	0.47	-0.50	0.13	1.36	1.67	1.09	0.40	-0.00	-0.21	-0.28	-0.03	0.53	1.04	1.16	0.83	0.26	-0.23
12N	1.98	0.54	-0.76	-0.54	0.47	0.85	0.47	0.43	-0.15	-0.20	-0.21	0.01	0.51	1.02	1.19	0.85	0.19	-0.33
8N	1.42	0.47	-0.45	-0.52	0.01	0.22	0.05	-0.14	-0.14	-0.06	-0.01	0.08	0.34	0.78	1.03	0.77	0.19	-0.25
4N	0.66	0.24	-0.23	-0.28	-0.06	-0.01	-0.13	-0.23	-0.27	-0.28	-0.17	0.04	0.33	0.66	0.80	0.60	0.24	-0.04
0	0.16	-0.06	-0.29	-0.27	-0.06	-0.03	-0.20	-0.36	-0.64	-1.02	-0.92	-0.14	0.66	0.85	0.60	0.37	0.29	0.21
4S	-0.12	-0.24	-0.38	-0.31	-0.02	0.05	-0.16	-0.40	-0.95	-1.76	-1.72	-0.40	0.90	1.03	0.43	0.15	0.30	0.34
8S	-0.11	-0.07	-0.29	-0.20	0.01	0.18	0.06	-0.19	-0.88	-1.91	-2.06	-0.78	0.63	0.88	0.30	-0.03	0.17	0.34
12S	0.00	0.23	0.14	-0.09	0.05	0.20	0.15	0.12	-0.26	-1.15	-1.56	-0.85	0.21	0.62	0.27	-0.11	-0.04	0.11
16S	0.03	0.32	0.34	0.15	0.09	-0.08	-0.22	0.14	0.48	0.08	-0.48	-0.39	0.21	0.65	0.48	0.03	-0.08	-0.01
20S	0.13	0.36	0.41	0.25	-0.04	-0.60	-0.91	-0.21	0.85	1.09	0.62	0.26	0.45	0.90	0.87	0.41	0.12	0.08
24S	0.45	0.54	0.45	0.23	-0.27	-1.15	-1.62	-0.78	0.74	1.56	1.38	0.86	0.76	1.12	1.19	0.78	0.43	0.35
28S	1.07	0.98	0.59	0.18	-0.45	-1.48	-2.07	-1.34	-0.21	1.39	1.63	1.22	0.95	1.17	1.27	0.96	0.68	0.66
32S	1.69	1.48	0.80	0.16	-0.49	-1.44	-2.08	-1.64	-0.43	0.74	1.29	1.14	0.87	0.94	0.99	0.82	0.74	0.94
36S	1.91	1.64	0.86	0.14	-0.43	-1.17	-1.78	-1.65	-0.90	-0.05	0.51	0.59	0.45	0.45	0.45	0.45	0.69	1.18
40S	1.68	1.39	0.69	0.06	-0.38	-0.93	-1.44	-1.52	-1.20	-0.78	-0.44	-0.25	-0.21	-0.21	-0.20	0.02	0.60	1.36
44S	1.16	0.91	0.39	-0.10	-0.45	-0.83	-1.23	-1.42	-1.43	-1.39	-1.31	-1.11	-0.93	-0.94	-0.90	-0.45	0.40	1.33
48S	0.63	0.43	0.09	-0.33	-0.68	-0.97	-1.27	-1.52	-1.68	-1.85	-1.93	-1.74	-1.53	-1.59	-1.57	-0.98	0.01	0.93
52S	0.37	0.15	-0.14	-0.59	-1.00	-1.44	-1.51	-1.79	-1.97	-2.13	-2.20	-2.02	-1.84	-1.99	-2.06	-1.50	-0.61	0.12
56S	0.31	0.05	-0.28	-0.77	-1.20	-1.43	-1.69	-1.97	-2.12	-2.20	-2.24	-2.07	-1.90	-2.06	-2.16	-1.74	-1.12	-0.67
60S	0.22	-0.03	-0.34	-0.76	-1.11	-1.31	-1.55	-1.81	-1.93	-2.02	-2.08	-1.93	-1.72	-1.72	-1.71	-1.39	-1.03	-0.86
64S	-0.00	-0.14	-0.29	-0.52	-0.71	-0.84	-1.02	-1.23	-1.36	-1.50	-1.59	-1.44	-1.16	-0.94	-0.69	-0.37	-0.16	-0.18
68S	-0.25	-0.21	-0.13	-0.09	-0.07	-0.06	-0.14	-0.27	-0.42	-0.58	-0.67	-0.52	-0.16	0.28	0.75	1.16	1.32	1.16
72S	-0.25	-0.04	0.24	0.51	0.73	0.88	0.96	0.95	0.84	0.71	0.67	0.81	1.15	1.61	2.09	2.48	2.59	2.34
76S	0.16	0.48	0.87	1.25	1.58	1.84	2.06	2.18	2.18	2.12	2.12	2.23	2.41	2.65	2.87	3.01	2.97	2.63
80S	0.87	1.21	1.60	1.98	2.32	2.63	2.92	3.15	3.25	3.24	3.25	3.25	3.28	3.34	3.15	2.99	2.73	2.29
84S	1.64	1.89	2.21	2.49	2.76	3.04	3.32	3.57	3.70	3.71	3.69	3.63	3.51	3.32	3.05	2.72	2.33	1.87
88S	2.15	2.30	2.49	2.63	2.75	2.90	3.05	3.17	3.21	3.18	3.12	3.04	2.92	2.74	2.52	2.26	1.98	1.66

APRIL 400 mb TEMPERATURE (deg C)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20
85N	-45.44	-45.44	-45.44	-45.40	-45.32	-45.32	-45.24	-45.28	-45.20	-45.20	-45.12	-45.12	-45.12	-45.08	-45.04	-44.96	-44.96	-44.92
80N	-45.56	-45.56	-45.53	-45.45	-45.35	-45.18	-45.18	-45.18	-45.05	-44.93	-44.80	-44.77	-44.74	-44.69	-44.67	-44.60	-44.60	-44.73
75N	-45.67	-45.50	-45.51	-45.43	-45.35	-45.17	-45.10	-44.90	-44.75	-44.55	-44.40	-44.31	-44.24	-44.13	-44.09	-44.04	-43.98	-44.19
70N	-44.88	-45.15	-45.17	-45.08	-44.88	-44.78	-44.57	-44.20	-44.08	-43.91	-43.71	-43.58	-43.36	-43.30	-43.22	-43.15	-43.31	-43.31
65N	-43.00	-44.35	-44.05	-43.80	-43.60	-43.30	-43.05	-42.75	-42.60	-42.55	-42.65	-42.75	-42.50	-42.20	-42.30	-42.10	-42.35	-42.35
60N	-41.88	-42.19	-42.09	-41.92	-42.00	-41.98	-42.01	-41.91	-42.08	-42.03	-42.13	-42.07	-41.90	-41.72	-41.78	-41.86	-41.95	-42.19
55N	-40.33	-40.60	-40.55	-40.61	-40.55	-40.48	-41.30	-40.77	-40.99	-41.03	-41.19	-41.15	-41.12	-41.09	-41.20	-41.26	-41.37	-41.53
50N	-39.11	-39.28	-39.23	-39.31	-39.13	-39.02	-39.78	-39.31	-39.53	-39.75	-40.03	-40.07	-40.18	-40.23	-40.32	-40.43	-40.51	-40.51
45N	-37.87	-37.92	-37.85	-37.73	-37.59	-37.52	-37.46	-37.57	-37.78	-38.17	-38.59	-38.77	-38.99	-39.04	-39.03	-39.09	-39.13	-39.13
40N	-36.15	-36.20	-36.05	-35.85	-35.75	-35.60	-35.50	-35.65	-35.70	-36.05	-36.55	-37.05	-37.35	-37.40	-37.35	-37.40	-37.45	-37.45
35N	-33.99	-33.84	-33.73	-33.73	-33.67	-33.74	-33.81	-33.98	-34.21	-34.55	-35.09	-35.47	-35.68	-35.75	-35.80	-35.77	-35.93	-35.93
30N	-31.80	-31.66	-31.62	-31.67	-31.68	-31.83	-31.95	-32.06	-32.23	-32.46	-32.70	-33.13	-33.50	-33.42	-33.75	-33.81	-33.76	-33.75
25N	-29.56	-29.52	-29.58	-29.71	-29.84	-29.95	-30.21	-30.34	-30.49	-30.72	-30.88	-31.15	-31.40	-31.32	-31.67	-31.63	-31.52	-31.35
20N	-27.42	-27.51	-27.66	-27.88	-28.10	-28.15	-28.50	-28.60	-28.79	-28.99	-29.09	-29.22	-29.36	-29.47	-29.50	-29.36	-29.13	-28.90
15N	-25.70	-25.95	-26.10	-26.20	-26.30	-26.35	-26.70	-26.80	-27.15	-27.35	-27.45	-27.50	-27.50	-27.35	-27.70	-27.00	-26.65	-26.30
10N	-23.98	-24.35	-24.50	-24.72	-24.90	-25.03	-25.18	-25.36	-25.47	-25.55	-25.53	-25.50	-25.30	-24.95	-24.70	-24.40	-24.17	-24.06
5N	-22.50	-22.81	-23.05	-23.30	-23.50	-23.62	-23.72	-23.83	-23.82	-23.78	-23.73	-23.59	-23.43	-22.52	-22.73	-22.49	-22.29	-22.18
0N	-21.14	-21.43	-21.69	-21.86	-22.02	-22.12	-22.20	-22.27	-22.22	-22.16	-22.11	-21.91	-21.73	-20.90	-21.05	-20.81	-20.55	-20.34
-5N	-19.85	-20.15	-20.35	-20.40	-20.48	-20.58	-20.63	-20.73	-20.69	-20.63	-20.45	-20.18	-19.98	-19.78	-19.58	-19.31	-18.96	-18.62
-10N	-18.65	-18.75	-18.95	-19.00	-19.00	-19.10	-19.15	-19.25</										

Table 5.19--Continued

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20
91N	-44.92	-44.92	-44.92	-44.84	-44.88	-44.84	-44.80	-44.80	-44.80	-44.80	-44.80	-44.76	-44.72	-44.68	-44.68	-44.56	-44.56	-44.76
92N	-44.58	-44.64	-44.67	-44.69	-44.71	-44.75	-44.76	-44.70	-44.52	-44.49	-44.46	-44.26	-44.15	-44.10	-44.04	-43.89	-43.56	-43.81
93N	-44.10	-44.22	-44.29	-44.39	-44.59	-44.67	-44.52	-44.32	-44.06	-43.91	-43.66	-43.46	-43.33	-43.26	-43.16	-43.07	-42.72	-42.83
94N	-43.43	-43.69	-43.80	-43.89	-44.26	-44.21	-43.75	-43.44	-43.21	-43.01	-42.66	-42.46	-42.28	-42.17	-42.08	-42.08	-41.99	-41.99
95N	-42.55	-43.35	-43.40	-43.45	-43.30	-42.85	-42.35	-42.20	-41.85	-41.55	-41.50	-41.40	-41.20	-41.05	-41.00	-41.00	-41.00	-41.15
96N	-42.43	-42.73	-42.40	-42.37	-42.46	-42.21	-41.75	-41.44	-40.93	-40.63	-40.58	-40.36	-40.08	-39.85	-39.80	-39.80	-39.84	-39.91
97N	-41.74	-41.61	-41.73	-41.65	-41.71	-41.35	-40.94	-40.53	-39.98	-39.65	-39.45	-39.11	-38.72	-38.59	-38.51	-38.71	-38.88	-38.88
98N	-40.76	-40.59	-40.89	-40.83	-40.73	-40.27	-39.88	-39.41	-38.92	-38.51	-38.13	-37.73	-37.34	-37.29	-37.19	-37.27	-37.63	-38.02
99N	-39.39	-39.59	-39.60	-39.60	-39.38	-38.87	-38.55	-38.11	-37.71	-37.20	-36.68	-36.29	-36.00	-35.95	-35.87	-35.96	-36.52	-37.12
100N	-37.75	-37.65	-37.80	-37.80	-37.70	-37.35	-36.95	-36.75	-36.35	-35.80	-35.20	-34.85	-34.60	-34.55	-34.55	-34.80	-35.20	-35.80
101N	-35.79	-35.71	-35.72	-35.84	-35.50	-35.03	-34.63	-34.43	-34.51	-34.16	-33.64	-33.29	-33.20	-33.23	-33.47	-33.80	-34.20	-34.72
102N	-33.62	-33.46	-33.55	-33.64	-33.18	-32.74	-32.52	-32.73	-32.73	-32.43	-31.96	-31.76	-31.71	-31.73	-32.03	-32.65	-33.14	-33.64
103N	-31.26	-31.08	-31.17	-31.20	-30.90	-30.60	-30.52	-30.61	-30.69	-30.47	-30.12	-29.80	-29.87	-29.89	-30.23	-31.05	-31.68	-32.10
104N	-28.75	-28.62	-28.63	-28.64	-28.65	-28.55	-28.50	-28.49	-28.39	-28.28	-28.08	-27.55	-27.72	-27.80	-28.16	-28.88	-29.55	-29.85
105N	-26.15	-26.10	-26.15	-26.20	-26.25	-26.35	-26.30	-26.25	-26.15	-26.00	-25.80	-25.75	-25.60	-25.80	-26.00	-26.20	-26.55	-26.85
106N	-24.03	-24.02	-24.11	-24.08	-24.17	-24.27	-24.30	-24.21	-24.07	-23.88	-23.54	-23.47	-23.40	-23.52	-23.68	-23.96	-24.07	-24.05
107N	-22.03	-22.00	-22.10	-22.11	-22.33	-22.40	-22.39	-22.32	-22.14	-21.88	-21.66	-21.49	-21.38	-21.45	-21.69	-22.02	-22.04	-21.97
108N	-20.03	-20.18	-20.48	-20.59	-20.65	-20.60	-20.59	-20.46	-20.32	-20.10	-19.92	-19.77	-19.62	-19.67	-19.99	-20.44	-20.56	-20.47
109N	-18.21	-18.64	-19.41	-19.60	-19.33	-19.15	-19.18	-18.94	-18.87	-18.75	-18.61	-18.45	-18.32	-18.36	-18.69	-19.24	-19.53	-19.40
110N	-17.45	-17.40	-18.65	-18.85	-18.75	-18.75	-18.70	-18.50	-									

Table 5.19--Continued

[illegible]



Table 5.19--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20	-45.20
91N	-45.28	-45.36	-45.44	-45.48	-45.48	-45.52	-45.56	-45.64	-45.64	-45.60	-45.60	-45.60	-45.60	-45.56	-45.56	-45.52	-45.48	-45.48
92N	-45.21	-45.34	-45.35	-45.43	-45.43	-45.45	-45.47	-45.54	-45.60	-45.58	-45.58	-45.58	-45.58	-45.53	-45.59	-45.60	-45.61	-45.64
93N	-45.01	-45.18	-45.21	-45.29	-45.27	-45.23	-45.15	-45.14	-45.22	-45.20	-45.10	-45.06	-45.02	-44.95	-45.07	-45.22	-45.39	-45.52
94N	-44.78	-45.04	-45.18	-45.24	-45.22	-45.09	-44.91	-44.77	-44.73	-44.57	-44.31	-44.17	-44.00	-43.88	-43.97	-44.23	-44.56	-44.85
95N	-44.70	-45.20	-45.30	-45.40	-45.50	-45.25	-45.15	-44.85	-44.45	-43.85	-43.55	-43.25	-42.80	-42.60	-42.45	-42.55	-42.80	-43.25
96N	-43.70	-44.08	-44.50	-44.84	-45.26	-45.45	-45.51	-45.21	-44.61	-43.93	-43.47	-42.93	-42.32	-41.88	-41.37	-41.11	-41.24	-41.53
97N	-42.64	-43.08	-43.55	-43.74	-44.48	-44.93	-45.33	-45.21	-44.85	-44.13	-43.45	-42.55	-41.78	-40.95	-40.17	-39.88	-39.92	-40.14
98N	-41.36	-41.86	-42.17	-42.26	-42.90	-43.29	-43.89	-44.19	-44.25	-43.87	-43.21	-41.95	-41.26	-40.45	-39.25	-38.88	-38.86	-38.94
99N	-39.64	-40.11	-40.28	-40.48	-40.73	-40.95	-41.43	-42.04	-42.33	-42.57	-42.75	-40.88	-40.43	-39.63	-38.62	-38.09	-37.96	-37.78
100N	-37.20	-37.55	-38.00	-38.40	-38.65	-39.15	-39.45	-39.20	-39.45	-39.65	-39.85	-39.00	-38.55	-38.35	-37.90	-37.45	-37.00	-36.50
101N	-34.92	-35.27	-35.60	-35.96	-36.29	-36.63	-36.67	-36.84	-36.89	-37.37	-37.17	-36.28	-35.67	-35.79	-35.70	-35.33	-34.84	-34.30
102N	-31.77	-32.24	-32.60	-32.95	-33.34	-33.81	-34.01	-34.03	-33.85	-33.95	-33.86	-33.26	-32.91	-32.84	-32.81	-32.61	-32.35	-31.71
103N	-28.59	-28.94	-29.28	-29.61	-29.97	-30.33	-30.69	-30.61	-30.47	-30.33	-30.34	-29.90	-29.69	-29.52	-29.53	-29.57	-29.63	-29.23
104N	-25.58	-25.70	-25.86	-26.08	-26.28	-26.43	-26.85	-26.89	-26.90	-26.98	-26.93	-26.54	-26.31	-26.19	-26.41	-26.66	-26.97	-27.13
105N	-22.30	-22.70	-22.50	-22.40	-22.80	-22.95	-23.65	-23.45	-23.30	-23.90	-23.85	-23.90	-23.95	-23.55	-24.25	-24.50	-24.85	-24.85
106N	-20.46	-21.18	-20.34	-19.88	-19.96	-20.23	-20.85	-21.45	-21.58	-21.82	-21.89	-22.02	-22.11	-22.19	-22.49	-22.82	-23.21	-23.45
107N	-19.43	-20.14	-19.53	-19.07	-18.26	-18.80	-19.32	-19.70	-19.86	-20.01	-20.17	-20.35	-20.57	-20.83	-21.06	-21.41	-21.78	-22.05
108N	-18.45	-19.00	-19.11	-18.99	-17.84	-17.82	-18.26	-18.60	-18.74	-18.83	-18.93	-19.05	-19.33	-19.63	-19.86	-20.13	-20.44	-20.71
109N	-17.41	-17.80	-18.61	-18.76	-18.00	-17.09	-17.50	-17.99	-18.20	-18.22	-18.17	-18.17	-18.41	-18.66	-18.84	-18.98	-19.21	-19.51
110N	-16.85	-17.20	-18.05	-17.60	-17.20	-17.05	-17.											



Table 5.20--Continued

[illegible]

Table 5.20--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25
89N	67.31	67.33	67.33	67.33	67.33	67.33	67.33	67.33	67.33	67.33	67.33	67.33	67.33	67.33	67.31	67.31	67.31	67.30
88N	67.56	67.52	67.52	67.52	67.48	67.46	67.40	67.40	67.40	67.40	67.40	67.39	67.32	67.32	67.32	67.16	67.15	67.14
78N	67.86	67.76	67.77	67.77	67.73	67.71	67.62	67.62	67.57	67.50	67.45	67.36	67.22	67.14	67.07	66.99	66.96	66.93
74N	68.23	68.12	68.12	68.10	68.10	68.09	68.02	68.01	67.93	67.89	67.78	67.65	67.48	67.40	67.24	67.04	66.95	66.88
70N	68.79	68.66	68.64	68.61	68.61	68.52	68.52	68.46	68.47	68.34	68.32	68.18	68.03	67.91	67.69	67.57	67.35	67.22
66N	69.37	69.33	69.32	69.24	69.24	69.23	69.15	69.14	69.13	69.08	68.98	68.91	68.77	68.64	68.50	68.28	68.15	67.94
62N	69.81	69.79	69.79	69.83	69.83	69.84	69.86	69.86	69.85	69.83	69.77	69.66	69.52	69.38	69.26	69.09	68.91	68.74
58N	70.32	70.23	70.22	70.23	70.38	70.40	70.45	70.48	70.46	70.49	70.52	70.43	70.30	70.20	70.07	69.91	69.72	69.54
54N	70.89	70.72	70.70	70.72	70.87	70.89	70.89	70.97	70.95	71.04	71.12	71.12	71.02	71.00	70.90	70.71	70.55	70.32
50N	71.29	71.16	71.19	71.19	71.22	71.32	71.33	71.44	71.43	71.53	71.54	71.54	71.56	71.56	71.54	71.42	71.18	71.05
46N	71.69	71.61	71.46	71.44	71.46	71.57	71.60	71.62	71.71	71.82	72.01	72.10	72.26	72.18	72.18	72.07	71.96	71.82
42N	72.16	71.94	71.79	71.69	71.77	71.87	71.86	71.85	72.04	72.24	72.50	72.66	72.80	72.88	72.92	72.84	72.76	72.67
38N	72.67	72.46	72.34	72.22	72.29	72.34	72.32	72.31	72.50	72.75	73.04	73.23	73.35	73.48	73.57	73.52	73.44	73.40
34N	73.24	73.19	73.09	73.02	73.02	72.98	72.98	73.01	73.11	73.36	73.62	73.82	73.97	74.00	74.07	74.05	73.97	74.00
30N	73.90	73.90	73.87	73.74	73.76	73.63	73.61	73.75	73.86	74.07	74.22	74.42	74.61	74.66	74.53	74.51	74.51	74.55
26N	74.82	74.91	74.88	74.74	74.73	74.59	74.49	74.52	74.63	74.69	74.83	75.02	75.13	75.17	75.03	74.97	74.92	74.97
22N	75.32	75.36	75.35	75.28	75.26	75.19	75.13	75.13	75.18	75.20	75.28	75.41	75.48	75.53	75.46	75.41	75.39	75.45
18N	75.55	75.55	75.55	75.54	75.52	75.52	75.54	75.53	75.52	75.53	75.57	75.64	75.69	75.73	75.69	75.69	75.70	75.75
14N	75.64	75.65	75.66	75.65	75.64	75.67	75.73	75.74	75.69	75.69	75.75	75.78	75.80	75.80	75.80	75.78	75.78	75.82
10N	75.66	75.68	75.70	75.69	75.72	75.74	75.78	75.80	75.78	75.78	75.80	75.82	75.80	75.81	75.80	75.79	75.76	75.77
6N	75.67	75.67	75.68	75.72	75.74	75.75	75.72	75.74	75.72	75.73	75.76	75.73	75.74	75.71	75.69	75.68	75.62	75.65
2N	75.65	75.67	75.68	75.68	75.75	75.75	75.68	75.68	75.68	75.71	75.72	75.71	75.71	75.63	75.70	75.59	75.58	75.57
2S	75.71	75.71	75.71	75.72	75.82	75.81	75.68	75.69	75.71	75.69	75.69	75.71	75.73	75.66	75.64	75.60	75.55	75.56
6S	75.78	75.76	75.76	75.78	75.91	75.91	75.79	75.78	75.77	75.69	75.71	75.72	75.74	75.74	75.74	75.74	75.61	75.61
10S	75.84	75.75	75.76	75.78	75.99	76.00	75.88	75.84	75.74	75.75	75.76	75.78	75.79	75.79	75.79	75.79	75.68	75.66
14S	75.91	75.81	75.82	75.76	75.89	75.80	75.75	75.72	75.70	75.70	75.72	75.81	75.82	75.82	75.82	75.73	75.71	75.61
18S	75.82	75.79	75.75	75.71	75.75	75.63	75.60	75.57	75.57	75.58	75.59	75.63	75.70	75.70	75.70	75.59	75.58	75.47
22S	75.59	75.61	75.55	75.56	75.55	75.46	75.39	75.37	75.37	75.37	75.37	75.42	75.48	75.48	75.48	75.37	75.32	75.21
26S	75.22	75.23	75.23	75.23	75.24	75.23	75.12	75.08	75.07	75.07	75.09	75.17	75.18	75.18	75.16	75.07	74.98	74.87
30S	74.69	74.70	74.70	74.70	74.81	74.79	74.78	74.65	74.65	74.64	74.74	74.75	74.75	74.75	74.65	74.64	74.63	74.52
34S	74.06	74.07	74.07	74.15	74.18	74.25	74.25	74.22	74.22	74.30	74.32	74.32	74.25	74.25	74.23	74.22	74.21	74.18
38S	73.19	73.20	73.20	73.25	73.32	73.42	73.43	73.55	73.55	73.59	73.65	73.65	73.61	73.61	73.55	73.55	73.54	73.46
42S	72.07	72.08	72.09	72.14	72.21	72.32	72.33	72.49	72.53	72.58	72.68	72.68	72.64	72.64	72.62	72.61	72.56	72.44
46S	70.78	70.79	70.80	70.89	70.90	70.99	71.00	71.08	71.19	71.29	71.39	71.39	71.33	71.40	71.41	71.40	71.31	71.20
50S	69.49	69.50	69.50	69.50	69.50	69.51	69.51	69.51	69.62	69.72	69.82	69.82	69.93	69.93	69.93	69.93	69.93	69.83
54S	68.21	68.22	68.14	68.14	68.15	68.22	68.22	68.22	68.31	68.34	68.44	68.45	68.47	68.47	68.48	68.49	68.57	68.47
58S	67.14	67.14	67.10	67.10	67.10	67.13	67.19	67.23	67.22	67.22	67.26	67.26	67.26	67.26	67.27	67.28	67.32	67.29
62S	66.29	66.28	66.28	66.28	66.28	66.27	66.31	66.31	66.31	66.26	66.26	66.26	66.26	66.26	66.26	66.27	66.27	66.24
66S	65.64	65.62	65.60	65.57	65.57	65.56	65.55	65.52	65.51	65.42	65.41	65.41	65.41	65.41	65.40	65.41	65.41	65.34
70S	65.15	65.05	64.95	64.84	64.84	64.82	64.81	64.71	64.65	64.68	64.66	64.66	64.66	64.66	64.66	64.67	64.67	64.67
74S	64.63	64.50	64.47	64.44	64.43	64.42	64.31	64.35	64.25	64.24	64.24	64.23	64.23	64.23	64.23	64.23	64.23	64.23
78S	64.25	64.19	64.17	64.15	64.07	64.06	64.00	64.02	63.96	63.88	63.87	63.87	63.86	63.86	63.85	63.85	63.86	63.80
82S	64.03	64.01	63.95	63.93	63.86	63.84	63.84	63.78	63.76	63.68	63.67	63.67	63.62	63.62	63.61	63.61	63.61	63.52
86S	63.92	63.91	63.82	63.81	63.80	63.79	63.79	63.70	63.69	63.67	63.67	63.59	63.58	63.58	63.58	63.58	63.58	63.50
90S	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83	63.83

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25	67.25
91N	67.30	67.29	67.28	67.28	67.28	67.28	67.28	67.27	67.27	67.27	67.27	67.27	67.27	67.27	67.27	67.27	67.28	67.28
92N	67.14	67.13	67.12	67.12	67.15	67.21	67.24	67.27	67.30	67.33	67.36	67.36	67.36	67.36	67.36	67.36	67.36	67.33
93N	66.93	66.94	67.04	67.04	66.94	67.04	67.12	67.24	67.29	67.38	67.46	67.47	67.47	67.48	67.47	67.46	67.44	67.43
94N	66.86	66.82	66.88	66.83	66.79	66.89	66.98	67.20	67.26	67.43	67.55	67.58	67.60	67.61	67.62	67.59	67.56	67.54
95N	67.00	67.06	66.96	66.95	66.94	66.97	66.98	67.20	67.29	67.46	67.60	67.72	67.75	67.76	67.86	67.84	67.80	67.80
96N	67.84	67.80	67.59	67.41	67.30	67.29	67.29	67.39	67.48	67.64	67.77	67.83	67.95	67.98	68.11	68.12	68.11	68.17
97N	68.61	68.46	68.23	68.03	67.87	67.79	67.71	67.68	67.71	67.74	67.82	67.94	68.09	68.21	68.36	68.50	68.53	68.53
98N	69.40	68.98	68.74	68.55	68.43	68.30	68.14	68.09	68.01	68.00	68.13	68.29	68.42	68.50	68.67	68.82	68.87	68.90
99N	70.17	69.92	69.80	69.51	69.31	69.17	69.02	68.80	68.66	68.55	68.48	68.55	68.67	68.88	69.06	69.12	69.23	69.37
100N	70.91	70.68	70.54	70.36	70.19	69.94	69.73	69.61	69.39	69.30	69.31	69.35	69.36	69.37	69.51	69.64	69.77	70.01
101N	71.65	71.42	71.36	71.14	70.92	70.77	70.64	70.43	70.25	70.10	70.12	70.26	70.28	70.28	70.39	70.59	70.80	70.96
102N	72.52	72.30	72.21	72.04	71.87	71.70	71.55	71.34	71.21	71.15	71.16	71.36	71.38	71.45	71.50	71.65	71.75	71.88
103N	73.29	73.17	73.04	72.92	72.78	72.61	72.45	72.29	72.23	72.32	72.36	72.59	72.69	72.80	72.89	72.91	72.79	72.82
104N	73.95	73.92	73.80	73.69	73.59	73.47	73.37	73.28	73.30	73.48	73.58	73.79	74.00	74.12	74.25	74.14	73.78	73.76
105N	74.64	74.51	74.41	74.41	74.37	74.35	74.33	74.29	74.44	74.48	74.59	74.69	74.84	75.04	74.88	74.77	74.65	74.54
106N	75.02	74.92	74.84	74.88	74.86	74.91	74.96	75.09	75.19	75.27	75.33	75.34	75.37	75.40	75.36	75.24	75.08	74.88
107N	75.35	75.35	75.33	75.37	75.40	75.44	75.48	75.55	75.61	75.64	75.65	75.65	75.64	75.62	75.58	75.52	75.37	75.21
108N	75.72	75.67	75.67	75.68	75.74	75.77	75.78	75.76	75.78	75.77	75.77	75.77	75.76	75.74	75.69	75.66	75.57	75.45
109N	75.84	75.82	75.80	75.78	75.82	75.87	75.85	75.83	75.81	75.79	75.79	75.81	75.81	75.79	75.78	75.72	75.71	75.60
110N	75.87	75.86	75.83	75.84	75.86	75.87	75.											





[illegible]







	81.5W	82.5W	87.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N*****																			
84N*****						0.13	0.39	0.77	1.29	1.42	1.16	1.22	1.61	1.74	1.61	1.54	1.54		
80N*****						1.22	1.61	1.99	2.38	2.64	2.77	2.83	2.83	2.70	2.45	2.32	2.32		
76N*****						1.99	2.38	2.77	3.15	3.41	3.54	3.47	3.22	2.96	2.70	2.32	1.80	1.09	0.19
72N*****						2.38	2.51	2.83	3.35	3.54	3.41	3.22	2.96	2.83	2.32	1.29	0.64	0.39	
68N*****						2.45	2.70	3.02	3.41	3.47	3.22	2.96	2.70	2.70	2.96	2.45	1.16	0.51	0.51
64N*****	-2.64	-1.74	-0.51	1.03		2.12	2.77	3.28	3.67	3.73	3.47	3.22	2.96	2.83	2.83	2.19	0.90	0.26	0.26
60N*****	-3.02	-2.38	-1.22	0.45		1.74	2.64	3.41	4.05	4.18	3.80	3.54	3.41	3.09	2.57	1.67	0.39	-0.32	-0.45
56N*****	-3.41	-3.02	-1.93	0.13		1.42	2.77	3.73	4.50	4.63	4.12	3.80	3.67	3.15	2.25	1.16	-0.33	-0.97	-1.35
52N*****	-3.28	-3.15	-2.25	0.58		1.09	2.77	4.05	4.95	5.15	4.63	4.12	3.60	2.70	1.42	0.26	-0.77	-1.54	-2.06
48N*****	-2.83	-2.83	-2.19	-0.90		0.71	2.64	4.18	5.34	5.53	4.76	3.93	3.02	1.87	0.45	-0.64	-1.42	-1.87	-1.99
44N*****	-2.12	-2.25	-1.8C	0.77		0.77	2.83	4.38	5.41	5.41	4.38	3.15	1.74	0.51	-0.51	-1.35	-1.99	-2.06	-1.54
40N*****	-1.35	-1.48	-1.09	-0.19		1.16	2.96	4.12	4.63	4.31	3.15	1.74	0.46	-1.03	-1.54	-1.93	-2.19	-1.93	-1.16
36N*****	-0.84	-0.97	-0.71	0.06		0.77	1.80	2.45	2.70	2.25	1.09	-0.06	-1.22	-1.93	-2.19	-2.12	-1.74	-0.58	-0.58
32N*****	-0.71	-1.09	-1.09	0.71		-0.45	-0.32	-0.13	0.13	-0.06	-0.71	-1.35	-1.99	-2.38	-2.51	-2.06	-1.03	-0.32	0.06
28N*****	-0.77	-1.29	-1.48	-1.35		-1.48	-1.87	-1.99	-1.87	-1.87	-1.99	-2.19	-2.45	-2.51	-2.38	-1.61	-0.19	0.58	0.71
24N*****	-0.58	-1.22	-1.61	1.74		-1.99	-2.38	-2.57	-2.57	-2.64	-2.77	-2.77	-2.64	-2.32	-1.80	-0.84	0.58	1.29	1.29
20N*****	-0.13	-0.90	-1.42	-1.67		-1.93	-2.19	-2.38	-2.51	-2.64	-2.77	-2.70	-2.45	-1.80	-0.77	0.32	1.48	1.99	1.87
16N*****	0.45	-0.19	-0.71	1.09		-1.35	-1.48	-1.67	-1.93	-2.06	-2.06	-1.99	-1.87	-1.09	0.32	1.48	2.38	2.70	2.45
12N*****	0.84	0.45	0.00	0.51		-0.71	-0.58	-0.71	-1.09	-1.29	-1.29	-1.29	-1.29	-0.58	0.84	1.87	2.51	2.77	2.64
8N*****						0.26	0.26	0.06	-0.32	-0.51	-0.51					1.67	1.93	1.99	1.87
4N*****																			
0*****																			
85S*****																			
81S*****																			
77S*****																			
73S*****																			
69S*****																			
65S*****																			
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37S*****																			
33S*****																			
29S*****																			
25S*****																			
21S*****																			
17S*****																			
13S*****																			
9S*****																			
5S*****																			





Table 5.23

APRIL 400 mb ZONAL GEOSTROPHIC (m/sec)

	177.5W	172.5W	167.5W	162.5W	157.5W	152.5W	147.5W	142.5W	137.5W	132.5W	127.5W	122.5W	117.5W	112.5W	107.5W	102.5W	97.5W	92.5W
88N	0.54	0.44	0.31	0.20	0.09	-0.05	-0.18	-0.31	-0.43	-0.56	-0.71	-0.84	-0.96	-1.08	-1.19	-1.28	-1.35	-1.42
86N	1.79	1.74	1.66	1.58	1.49	1.38	1.25	1.12	0.97	0.82	0.63	0.42	0.22	-0.01	-0.21	-0.40	-0.58	-0.72
80N	2.95	2.96	2.96	2.97	2.98	3.00	3.02	3.02	2.98	2.91	2.78	2.61	2.40	2.14	1.89	1.62	1.37	1.17
76N	3.66	3.72	3.80	3.94	4.13	4.37	4.64	4.89	5.07	5.17	5.17	5.08	4.92	4.69	4.43	4.13	3.84	3.59
72N	3.80	3.88	4.02	4.30	4.70	5.21	5.77	6.29	6.72	7.02	7.18	7.21	7.10	6.92	6.69	6.38	6.09	5.85
68N	3.79	3.90	4.12	4.53	5.09	5.75	6.43	7.06	7.59	7.97	8.21	8.35	8.37	8.29	8.11	7.84	7.57	7.33
64N	4.61	4.86	5.23	5.76	6.34	6.88	7.37	7.79	8.15	8.41	8.61	8.83	9.03	9.10	9.02	8.81	8.56	8.29
60N	6.76	7.28	7.84	8.40	8.81	9.02	9.09	9.11	9.13	9.18	9.28	9.50	9.80	9.99	10.01	9.88	9.67	9.41
56N	10.06	10.81	11.47	11.91	11.99	11.75	11.36	11.02	10.76	10.59	10.54	10.66	10.89	11.06	11.13	11.13	11.05	10.89
52N	13.96	14.67	15.21	15.32	14.99	14.40	13.74	13.18	12.77	12.49	12.29	12.16	12.11	12.12	12.21	12.38	12.54	12.62
48N	17.83	17.99	18.01	17.86	17.04	16.34	15.66	15.09	14.64	14.27	13.88	13.44	13.07	12.94	13.14	13.59	14.11	14.61
44N	21.22	20.47	19.73	18.95	18.23	17.64	17.11	16.61	16.14	15.66	15.10	14.52	14.09	14.07	14.54	15.35	16.28	17.23
40N	23.40	21.88	20.52	19.41	18.68	18.30	18.01	17.68	17.32	16.92	16.46	16.07	15.94	16.25	17.02	18.10	19.27	20.44
36N	23.47	21.67	20.01	18.75	18.07	17.89	17.96	18.03	18.06	18.07	18.11	18.29	18.71	19.38	20.29	21.35	22.44	23.46
32N	20.79	19.37	17.93	16.81	16.23	16.24	16.71	17.38	18.05	18.78	19.67	20.66	21.62	22.48	23.20	23.85	24.45	24.95
28N	16.05	15.59	14.93	14.30	13.95	14.07	14.70	15.69	16.80	18.06	19.54	20.98	22.09	22.76	22.99	22.94	22.78	22.63
24N	11.63	12.09	12.33	12.36	12.34	12.44	12.83	13.51	14.38	15.44	16.67	17.75	18.44	19.63	18.36	17.69	16.88	16.24
20N	8.98	9.76	10.50	11.04	11.32	11.35	11.27	11.24	11.32	11.56	11.90	12.10	12.06	11.76	11.16	10.21	9.11	8.26
16N	7.63	8.19	8.86	9.57	10.00	9.96	9.45	8.67	7.88	7.20	6.51	5.96	5.30	4.67	3.95	3.06	2.09	1.33
12N	6.01	6.20	6.51	6.95	7.23	7.08	6.42	5.39	4.27	3.26	2.39	1.60	0.90	0.28	-0.32	-0.86	-1.33	-1.75
8N	3.55	3.92	4.22	4.40	4.33	4.05	3.56	2.84	2.07	1.44	1.03	0.76	0.46	0.05	-0.36	-0.51	-0.51	-0.62
4N	0.33	1.14	1.74	1.94	1.78	1.57	1.38	1.05	0.66	0.42	0.44	0.59	0.61	0.37	0.10	0.14	0.34	0.40
0	-3.32	-2.38	-1.67	-1.36	-1.29	-1.14	-1.02	-1.14	-1.40	-1.55	-1.46	-1.22	-1.07	-1.15	-1.27	-1.17	-0.92	-0.70
4S	-5.54	-4.74	-4.07	-3.67	-3.33	-2.85	-2.47	-2.41	-2.59	-2.72	-2.66	-2.45	-2.20	-2.07	-2.04	-1.95	-1.73	-1.43
8S	-3.73	-3.40	-3.03	-2.71	-2.31	-1.79	-1.31	-1.01	-0.92	-0.91	-0.83	-0.56	-0.11	0.32	0.55	0.62	0.71	0.91
12S	3.25	2.81	2.52	2.44	2.52	2.66	2.89	3.21	3.52	3.75	4.00	4.41	4.99	5.51	5.74	5.66	5.49	5.35
16S	11.55	10.55	9.70	9.14	8.79	8.49	8.31	8.39	8.68	9.06	9.45	9.86	10.24	10.43	10.35	9.99	9.53	9.03
20S	17.08	16.12	15.20	14.47	13.90	13.41	13.08	13.05	13.25	13.62	13.98	14.19	14.16	13.89	13.49	12.96	12.35	11.68
24S	19.37	18.84	18.24	17.60	17.02	16.59	16.38	16.40	16.52	16.73	16.93	16.86	16.47	15.93	15.43	14.93	14.33	13.71
28S	19.14	19.12	18.95	18.54	18.09	17.82	17.80	17.91	17.96	17.98	17.97	17.77	17.34	16.89	16.57	16.26	15.84	15.43
32S	17.54	17.87	18.05	17.91	17.66	17.54	17.60	17.72	17.72	17.65	17.60	17.52	17.37	17.26	17.24	17.18	16.99	16.84
36S	15.82	16.32	16.70	16.81	16.79	16.81	16.91	17.02	17.05	17.06	17.14	17.26	17.40	17.56	17.74	17.88	17.92	18.00
40S	15.08	15.52	15.88	16.11	16.25	16.39	16.53	16.67	16.81	16.99	17.22	17.47	17.75	18.02	18.26	18.51	18.74	19.04
44S	15.74	15.85	15.95	16.10	16.25	16.40	16.57	16.74	16.97	17.27	17.60	17.92	18.23	18.49	18.74	19.05	19.44	19.84
48S	17.77	17.39	17.10	16.97	16.95	17.00	17.13	17.27	17.47	17.75	18.07	18.39	18.67	18.92	19.16	19.47	19.90	20.29
52S	20.22	19.57	19.06	18.73	18.54	18.45	18.44	18.43	18.46	18.56	18.72	18.92	19.14	19.36	19.56	19.80	20.10	20.34
56S	21.75	21.24	20.81	20.51	20.29	20.10	19.91	19.71	19.52	19.39	19.30	19.27	19.33	19.42	19.49	19.55	19.61	19.64
60S	21.70	21.46	21.24	21.04	20.84	20.58	20.27	19.93	19.58	19.23	18.90	18.64	18.44	18.29	18.16	17.98	17.81	17.67
64S	19.89	19.85	19.78	19.65	19.46	19.17	18.81	18.40	17.96	17.49	16.99	16.53	16.10	15.71	15.38	15.03	14.72	14.50
68S	16.47	16.46	16.40	16.25	16.02	15.74	15.42	15.06	14.65	14.20	13.69	13.17	12.64	12.16	11.75	11.37	11.07	10.88
72S	12.07	12.02	11.92	11.76	11.58	11.40	11.22	11.04	10.84	10.60	10.29	9.95	9.60	9.29	9.03	8.81	8.64	8.53
76S	7.79	7.82	7.81	7.78	7.76	7.77	7.80	7.84	7.91	7.96	7.95	7.93	7.91	7.89	7.89	7.89	7.87	7.85
80S	4.27	4.46	4.64	4.81	4.97	5.16	5.37	5.59	5.83	6.09	6.32	6.54	6.76	6.95	7.13	7.27	7.35	7.41
84S	1.50	1.81	2.13	2.46	2.77	3.10	3.42	3.74	4.07	4.42	4.75	5.07	5.40	5.68	5.92	6.11	6.26	6.38
88S	-0.42	-0.05	0.31	0.68	1.07	1.46	1.83	2.18	2.53	2.89	3.22	3.54	3.86	4.13	4.37	4.58	4.76	4.90

Table 5.23--Continued

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	-1.44	-1.46	-1.45	-1.38	-1.31	-1.20	-1.05	-0.89	-0.69	-0.50	-0.29	-0.08	0.13	0.33	0.52	0.69	0.83	0.96
84N	-0.82	-0.88	-0.87	+0.78	-0.63	-0.41	-0.12	0.22	0.63	1.05	1.46	1.87	2.25	2.60	2.89	3.13	3.30	3.41
80N	1.01	0.91	0.88	0.93	1.10	1.38	1.75	2.21	2.76	3.32	3.89	4.42	4.90	5.32	5.66	5.90	6.05	6.12
76N	3.37	3.22	3.13	3.11	3.20	3.42	3.74	4.18	4.73	5.33	5.96	6.53	7.04	7.48	7.81	8.03	8.14	8.17
72N	5.60	5.38	5.20	5.09	5.03	5.06	5.03	5.03	5.04	5.04	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03
68N	7.07	6.80	6.56	6.37	6.19	6.03	5.93	5.90	5.84	5.84	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83
64N	8.00	7.73	7.46	7.22	7.03	6.82	6.60	6.39	6.35	6.56	6.96	7.46	7.97	8.42	8.74	8.84	8.74	8.56
60N	9.10	8.78	8.49	8.27	8.11	7.95	7.74	7.53	7.48	7.67	8.03	8.46	8.88	9.20	9.34	9.21	8.89	8.52
56N	10.63	10.31	10.01	9.81	9.69	9.58	9.47	9.43	9.53	9.77	10.09	10.38	10.54	10.55	10.33	9.89	9.30	8.70
52N	12.59	12.46	12.29	12.13	11.93	11.69	11.35	10.95	10.53	10.09	9.53	8.86	8.15	7.31	6.36	5.31	4.07	2.64
48N	15.07	15.43	15.61	15.61	15.56	15.52	15.59	15.77	15.93	15.92	15.66	15.07	14.17	13.01	11.30	10.52	9.70	8.90
44N	18.19	19.43	19.56	19.76	19.80	19.80	19.81	19.76	19.69	19.86	19.88	19.61	15.17	13.70	12.44	11.52	10.90	10.37
40N	21.56	22.46	23.00	23.18	23.17	23.13	23.01	22.69	21.98	20.81	19.23	17.51	15.90	14.53	13.52	12.95	12.84	12.89
36N	24.29	24.81	24.98	24.89	24.68	24.47	24.18	23.64	22.71	21.33	19.59	17.86	16.48	15.57	15.09	15.11	15.68	16.49
32N	25.22	25.15	24.85	24.47	24.07	23.62	23.09	22.38	21.44	20.23	18.86	17.60	16.77	16.49	16.67	17.39	18.69	20.26
28N	22.43	22.15	21.94	21.81	21.59	21.42	20.45	19.61	18.70	17.82	17.06	16.49	16.28	16.55	17.26	18.46	20.12	21.96
24N	15.88	15.90	16.38	17.06	17.49	17.44	16.98	16.24	15.44	14.83	14.56	14.59	14.89	15.48	16.40	17.57	18.89	20.19
20N	7.94	8.35	9.50	10.94	12.07	12.62	12.65	12.32	11.80	11.46	11.53	11.98	12.61	13.32	14.13	14.88	15.40	15.78
16N	1.10	1.66	3.04	4.73	6.18	7.09	7.52	7.63	7.49	7.42	7.72	8.39	9.14	9.78	10.29	10.47	10.19	9.74
12N	-1.94	-1.59	-0.71	0.38	1.33	1.97	2.34	2.55	2.61	2.71	3.06	3.66	4.26	4.64	4.91	4.50	3.86	3.15
8N	-0.81	-0.87	-0.80	+0.73	-0.66	-0.60	-0.54	-0.51	-0.50	-0.43	-0.21	0.10	0.36	0.44	0.31	-0.04	-0.59	-1.12
4N	0.35	0.23	-0.10	+0.67	-1.27	-1.63	-1.74	-1.72	-1.62	-1.46	-1.35	-1.35	-1.45	-1.57	-1.67	-1.88	-2.26	-2.69
0	-0.45	-0.21	-0.40	+1.23	-2.28	-2.98	-3.16	-2.95	-2.46	-1.98	-1.86	-2.11	-2.52	-2.78	-2.80	-2.82	-3.07	-3.49
4S	-0.95	-0.39	-0.33	+1.11	-2.33	-3.26	-3.55	-3.25	-2.49	-1.73	-1.54	-1.95	-2.60	-3.02	-3.06	-3.00	-3.19	-3.61
8S	1.23	1.61	1.70	1.27	0.42	-0.51	-1.15	-1.27	-0.79	-0.08	0.19	-0.21	-0.95	-1.58	-1.93	-2.15	-2.79	-3.45
12S	5.13	4.89	4.75	4.69	4.47	3.88	3.08	2.53	2.63	3.26	3.77	3.71	3.20	2.54	1.85	1.21	0.74	0.45
16S	8.32	7.58	7.19	7.25	7.44	7.34	6.89	6.48	6.58	7.25	8.02	8.40	8.33	7.92	7.23	6.43	5.88	5.65
20S	10.84	9.99	9.53	9.62	10.01	10.31	10.32	10.23	10.36	10.85	11.50	11.98	12.18	12.08	11.65	11.03	10.59	10.43
24S	13.06	12.48	12.22	12.38	12.88	13.42	13.77	13.87	13.85	13.86	13.99	14.22	14.44	14.57	14.53	14.30	14.10	14.05
28S	15.14	15.01	15.08	15.42	16.02	16.68	17.09	17.11	16.75	16.17	15.72	15.61	15.77	16.04	16.34	16.54	16.61	16.65
32S	16.89	17.14	17.50	17.99	18.64	19.26	19.56	19.43	18.90	18.15	17.56	17.40	17.61	17.98	18.45	18.89	19.15	19.25
36S	18.28	18.75	19.27	19.82	20.41	20.93	21.22	21.21	20.92	20.47	20.15	20.19	20.52	20.97	21.46	21.89	22.18	22.31
40S	19.42	19.94	20.51	21.05	21.57	22.05	22.49	22.82	22.96	22.93	22.95	23.21	23.67	24.16	24.58	24.89	25.10	25.22
44S	20.21	20.63	21.10	21.54	21.98	22.47	22.93	23.30	23.70	24.21	24.55	24.91	25.42	26.00	26.50	26.84	27.04	27.30
48S	20.56	20.78	21.01	21.27	21.57	21.95	22.49	23.14	23.77	24.37	25.05	25.80	26.50	27.02	27.33	27.51	27.66	27.80
52S	20.45	20.45	20.43	20.44	20.44	20.47	20.65	20.97	21.42	22.05	22.84	23.62	24.25	24.69	24.98	25.22	25.47	25.70
56S	19.59	19.45	19.28	19.07	18.76	18.42	18.19	18.11	18.24	18.63	19.16	19.63	19.94	20.14	20.33	20.59	20.93	21.27
60S	17.53	17.37	17.17	16.90	16.50	16.05	15.63	15.32	15.18	15.23	15.31	15.33	15.27	15.20	15.26	15.45	15.76	16.16
64S	14.35	14.24	14.13	13.98	13.74	13.40	13.04	12.70	12.41	12.16	11.86	11.54	11.23	11.01	10.96	11.04	11.25	11.56
68S	10.76	10.73	10.76	10.79	10.80	10.71	10.55	10.30	9.98	9.62	9.20	8.80	8.49	8.27	8.16	8.13	8.19	8.31
72S	8.45	8.43	8.49	8.58	8.68	8.70	8.65	8.45	8.18	7.88	7.57	7.30	7.09	6.93	6.82	6.72	6.64	6.54
76S	7.81	7.77	7.75	7.75	7.74	7.67	7.54	7.35	7.09	6.83	6.61	6.41	6.22	6.06	5.92	5.77	5.58	5.34
80S	7.42	7.39	7.32	7.24	7.12	6.96	6.76	6.53	6.25	5.97	5.72	5.48	5.24	5.02	4.83	4.60	4.34	4.08
84S	6.43	6.43	6.39	6.30	6.17	6.00	5.80	5.59	5.33	5.06	4.80	4.52	4.24	3.96	3.71	3.43	3.15	2.88
88S	4.99	5.05	5.06	5.04	4.99	4.89	4.75	4.59	4.40	4.19	3.97	3.72	3.43	3.15	2.86	2.56	2.23	1.93

Table 5.23--Continued

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
88N	1.06	1.14	1.21	1.24	1.24	1.24	1.18	1.12	1.04	0.94	0.85	0.77	0.68	0.59	0.53	0.49	0.46	0.46
84N	3.46	3.42	3.33	3.20	3.01	2.76	2.43	2.07	1.69	1.25	0.79	0.37	-0.03	-0.41	-0.74	-0.99	-1.17	-1.28
80N	6.08	5.95	5.74	5.48	5.16	4.77	4.29	3.75	3.15	2.50	1.80	1.09	0.43	-0.21	-0.80	-1.31	-1.71	-2.01
76N	8.06	7.89	7.67	7.41	7.13	6.81	6.40	5.90	5.35	4.74	4.06	3.23	2.42	1.91	1.20	0.52	-0.09	-0.63
72N	8.96	8.82	8.68	8.60	8.56	8.52	8.42	8.24	8.03	7.76	7.41	7.00	6.54	6.02	5.42	4.75	4.03	3.31
68N	8.82	8.74	8.73	8.88	9.15	9.47	9.79	10.09	10.38	10.62	10.79	10.87	10.85	10.70	10.39	9.92	9.32	8.63
64N	8.40	8.34	8.42	8.69	9.12	9.65	10.25	10.93	11.63	12.29	12.86	13.32	13.65	13.70	13.66	13.40	13.40	13.40
60N	8.26	8.17	8.23	8.46	8.84	9.35	9.97	10.78	11.68	12.55	13.32	13.97	14.49	14.93	15.28	15.45	15.47	15.34
56N	8.30	8.12	8.08	8.13	8.30	8.59	9.05	9.77	10.69	11.66	12.56	13.33	14.03	14.72	15.39	15.90	16.22	16.35
52N	8.30	7.93	7.70	7.54	7.43	7.43	7.42	8.14	9.03	10.14	11.23	12.22	13.21	14.26	15.30	16.16	16.75	17.07
48N	8.50	7.95	7.53	7.19	6.88	6.66	6.65	7.01	7.86	9.10	10.43	11.73	13.08	14.49	15.83	16.94	17.75	18.23
44N	9.85	9.35	8.89	8.48	8.11	7.82	7.75	7.99	8.65	9.74	11.04	12.42	13.86	15.27	16.52	17.56	18.40	18.97
40N	12.88	12.72	12.41	12.05	11.72	11.50	11.45	11.53	11.78	12.31	13.11	14.13	15.17	16.04	16.71	17.28	17.86	18.39
36N	17.20	17.56	17.54	17.29	17.05	16.94	16.91	16.77	16.45	16.17	16.18	16.46	16.70	16.68	16.49	16.38	16.54	16.91
32N	21.68	22.57	22.89	22.81	22.64	22.55	22.41	21.96	21.11	20.09	19.26	18.66	18.04	17.21	16.31	15.63	15.42	15.65
28N	23.59	24.61	25.53	25.80	25.81	25.81	25.67	25.27	24.46	23.25	20.50	19.28	18.16	17.10	16.19	15.57	15.38	15.66
24N	21.42	22.63	23.70	24.48	24.88	24.85	24.85	23.25	21.87	20.37	18.87	17.40	16.15	15.33	14.93	14.85	15.01	15.50
20N	16.28	17.17	18.35	19.50	20.32	20.61	20.20	19.19	17.85	16.36	14.80	13.21	11.91	11.26	11.21	11.50	11.93	12.56
16N	9.56	9.97	10.93	12.11	13.13	13.71	13.65	12.95	11.83	10.43	8.86	7.23	5.85	5.09	4.99	5.29	5.73	6.28
12N	2.70	2.70	3.20	3.97	4.71	5.23	5.43	5.22	4.50	3.31	1.88	0.42	-0.87	-1.81	-2.25	-2.22	-2.01	-1.79
8N	-1.53	-1.76	-1.70	-1.43	-1.23	-1.12	-0.90	-0.71	-1.03	-2.00	-3.22	-4.31	-5.33	-6.32	-6.94	-6.95	-6.78	-6.82
4N	-3.03	-3.30	-3.42	-3.44	-3.57	-3.71	-3.50	-3.12	-3.23	-4.07	-5.16	-6.02	-6.81	-7.74	-8.29	-8.08	-7.63	-7.52
0	-3.79	-3.92	-4.02	-4.16	-4.33	-4.36	-4.05	-3.62	-3.71	-4.50	-5.55	-6.36	-7.06	-7.86	-8.30	-7.93	-7.13	-6.56
4S	-3.86	-3.82	-3.74	-3.76	-3.70	-3.39	-2.92	-2.62	-2.92	-3.87	-5.02	-5.91	-6.56	-7.13	-7.34	-6.75	-5.58	-4.48
8S	-2.99	-2.83	-2.37	-1.81	-1.14	-0.32	0.31	0.27	-0.67	-2.22	-3.75	-4.80	-5.35	-5.55	-5.29	-4.31	-2.78	-1.28
12S	0.28	0.42	1.04	1.94	2.93	3.97	4.69	4.56	3.40	1.70	0.20	-0.71	-1.04	-0.90	-0.22	1.00	2.60	4.11
16S	5.51	5.52	5.83	6.25	6.66	7.20	7.77	7.96	7.47	6.62	5.92	5.58	5.54	5.84	6.52	7.51	8.66	9.72
20S	10.35	10.28	10.20	9.91	9.44	9.12	9.23	9.57	9.77	9.84	9.99	10.23	10.48	10.78	11.19	11.64	12.06	12.50
24S	14.06	14.01	13.75	13.06	12.02	11.02	10.53	10.62	10.98	11.46	12.04	12.58	12.97	13.20	13.25	13.15	12.96	12.93
28S	16.72	16.74	16.53	15.97	15.01	13.85	12.91	12.46	12.37	12.57	13.00	13.47	13.76	13.82	13.63	13.26	12.85	12.72
32S	19.29	19.27	19.13	18.88	18.40	17.58	16.61	15.79	15.19	14.92	14.99	15.18	15.22	15.07	14.79	14.49	14.23	14.19
36S	22.33	22.25	22.13	22.08	22.01	21.66	20.96	20.20	19.49	19.07	18.97	18.96	18.81	18.50	18.19	17.98	17.85	17.74
40S	25.28	25.28	25.28	25.40	25.61	25.64	25.35	24.84	24.33	24.00	23.89	23.79	23.54	23.18	22.83	22.56	22.35	22.08
44S	27.39	27.50	27.70	28.01	28.39	28.69	28.78	28.65	28.44	28.28	28.18	28.03	27.77	27.45	27.10	26.72	26.36	25.90
48S	27.92	28.08	28.36	28.76	29.21	29.63	29.94	30.12	30.17	30.15	30.06	29.90	29.75	29.57	29.29	28.90	28.49	28.00
52S	25.87	26.03	26.26	26.55	26.86	27.17	27.44	27.65	27.81	27.92	27.93	27.92	27.99	28.07	28.03	27.83	27.55	27.19
56S	21.55	21.77	21.97	22.10	22.19	22.27	22.34	22.43	22.41	22.83	23.03	23.29	23.62	23.97	24.22	24.27	24.16	23.96
60S	16.53	16.83	17.03	17.12	17.12	17.07	17.02	17.07	17.29	17.61	17.96	18.38	18.86	19.32	19.69	19.88	19.87	19.79
64S	11.90	12.18	12.37	12.48	12.53	12.51	12.51	12.62	12.91	13.30	13.68	14.08	14.50	14.87	15.18	15.37	15.43	15.44
68S	8.43	8.54	8.63	8.72	8.84	8.97	9.15	9.43	9.80	10.16	10.46	10.69	10.85	10.99	11.15	11.31	11.43	11.54
72S	6.40	6.28	6.20	6.21	6.35	6.59	6.91	7.28	7.64	7.88	8.01	8.03	7.97	7.94	7.99	8.12	8.27	8.42
76S	5.08	4.85	4.69	4.65	4.74	4.95	5.22	5.48	5.69	5.78	5.75	5.63	5.49	5.41	5.39	5.45	5.54	5.62
80S	3.81	3.59	3.43	3.35	3.34	3.40	3.42	3.52	3.51	3.44	3.31	3.13	2.94	2.81	2.72	2.66	2.62	2.56
84S	2.63	2.41	2.20	2.02	1.87	1.75	1.61	1.43	1.22	1.01	0.79	0.55	0.31	0.12	-0.06	-0.24	-0.40	-0.56
88S	1.61	1.31	1.01	0.69	0.38	0.07	-0.24	-0.55	-0.87	-1.18	-1.48	-1.77	-2.05	-2.29	-2.51	-2.74	-2.93	-3.10



Table 5.23--Continued

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	0.44	0.46	0.52	0.56	0.62	0.69	0.74	0.79	0.83	0.87	0.89	0.90	0.89	0.87	0.84	0.78	0.72	0.64
89N	-1.33	-1.30	-1.17	-0.99	-0.81	-0.79	-0.74	-0.68	-0.63	-0.57	-0.55	-0.55	-0.54	-0.53	-0.52	-0.51	-0.50	-0.49
90N	-2.21	-2.28	-2.23	-2.07	-1.91	-1.76	-1.61	-1.46	-1.31	-1.16	-1.01	-0.86	-0.71	-0.56	-0.41	-0.26	-0.11	0.04
91N	-3.10	-3.17	-3.04	-2.88	-2.72	-2.57	-2.41	-2.26	-2.10	-1.95	-1.79	-1.64	-1.48	-1.33	-1.17	-1.02	-0.86	-0.71
92N	-4.00	-4.07	-3.94	-3.78	-3.62	-3.46	-3.30	-3.14	-2.98	-2.83	-2.67	-2.51	-2.35	-2.19	-2.04	-1.88	-1.72	-1.57
93N	-4.89	-4.96	-4.83	-4.67	-4.51	-4.35	-4.19	-4.03	-3.87	-3.71	-3.55	-3.39	-3.23	-3.07	-2.91	-2.75	-2.59	-2.43
94N	-5.78	-5.85	-5.72	-5.56	-5.40	-5.24	-5.08	-4.92	-4.76	-4.60	-4.44	-4.28	-4.12	-3.96	-3.80	-3.64	-3.48	-3.32
95N	-6.67	-6.74	-6.61	-6.45	-6.29	-6.13	-5.97	-5.81	-5.65	-5.49	-5.33	-5.17	-5.01	-4.85	-4.69	-4.53	-4.37	-4.21
96N	-7.56	-7.63	-7.50	-7.34	-7.18	-7.02	-6.86	-6.70	-6.54	-6.38	-6.22	-6.06	-5.90	-5.74	-5.58	-5.42	-5.26	-5.10
97N	-8.45	-8.52	-8.39	-8.23	-8.07	-7.91	-7.75	-7.59	-7.43	-7.27	-7.11	-6.95	-6.79	-6.63	-6.47	-6.31	-6.15	-5.99
98N	-9.34	-9.41	-9.28	-9.12	-8.96	-8.80	-8.64	-8.48	-8.32	-8.16	-8.00	-7.84	-7.68	-7.52	-7.36	-7.20	-7.04	-6.88
99N	-10.23	-10.30	-10.17	-10.01	-9.85	-9.69	-9.53	-9.37	-9.21	-9.05	-8.89	-8.73	-8.57	-8.41	-8.25	-8.09	-7.93	-7.77
100N	-11.12	-11.19	-11.06	-10.90	-10.74	-10.58	-10.42	-10.26	-10.10	-9.94	-9.78	-9.62	-9.46	-9.30	-9.14	-8.98	-8.82	-8.66
101N	-12.01	-12.08	-11.95	-11.79	-11.63	-11.47	-11.31	-11.15	-10.99	-10.83	-10.67	-10.51	-10.35	-10.19	-10.03	-9.87	-9.71	-9.55
102N	-12.90	-12.97	-12.84	-12.68	-12.52	-12.36	-12.20	-12.04	-11.88	-11.72	-11.56	-11.40	-11.24	-11.08	-10.92	-10.76	-10.60	-10.44
103N	-13.79	-13.86	-13.73	-13.57	-13.41	-13.25	-13.09	-12.93	-12.77	-12.61	-12.45	-12.29	-12.13	-11.97	-11.81	-11.65	-11.49	-11.33
104N	-14.68	-14.75	-14.62	-14.46	-14.30	-14.14	-13.98	-13.82	-13.66	-13.50	-13.34	-13.18	-13.02	-12.86	-12.70	-12.54	-12.38	-12.22
105N	-15.57	-15.64	-15.51	-15.35	-15.19	-15.03	-14.87	-14.71	-14.55	-14.39	-14.23	-14.07	-13.91	-13.75	-13.59	-13.43	-13.27	-13.11
106N	-16.46	-16.53	-16.40	-16.24	-16.08	-15.92	-15.76	-15.60	-15.44	-15.28	-15.12	-14.96	-14.80	-14.64	-14.48	-14.32	-14.16	-14.00
107N	-17.35	-17.42	-17.29	-17.13	-16.97	-16.81	-16.65	-16.49	-16.33	-16.17	-16.01	-15.85	-15.69	-15.53	-15.37	-15.21	-15.05	-14.89
108N	-18.24	-18.31	-18.18	-18.02	-17.86	-17.70	-17.54	-17.38	-17.22	-17.06	-16.90	-16.74	-16.58	-16.42	-16.26	-16.10	-15.94	-15.78
109N	-19.13	-19.20	-19.07	-18.91	-18.75	-18.59	-18.43	-18.27	-18.11	-17.95	-17.79	-17.63	-17.47	-17.31	-17.15	-16.99	-16.83	-16.67
110N	-20.02	-20.09	-19.96	-19.80	-19.64	-19.48	-19.32	-19.16	-19.00	-18.84	-18.68	-18.52	-18.36	-18.20	-18.04	-17.88	-17.72	-17.56
111N	-20.91	-20.98	-20.85	-20.69	-20.53	-20.37	-20.21	-20.05	-19.89	-19.73	-19.57	-19.41	-19.25	-19.09	-18.93	-18.77	-18.61	-18.45
112N	-21.80	-21.87	-21.74	-21.58	-21.42	-21.26	-21.10	-20.94	-20.78	-20.62	-20.46	-20.30	-20.14	-19.98	-19.82	-19.66	-19.50	-19.34
113N	-22.69	-22.76	-22.63	-22.47	-22.31	-22.15	-21.99	-21.83	-21.67	-21.51	-21.35	-21.19	-21.03	-20.87	-20.71	-20.55	-20.39	-20.23
114N	-23.58	-23.65	-23.52	-23.36	-23.20	-23.04	-22.88	-22.72	-22.56	-22.40	-22.24	-22.08	-21.92	-21.76	-21.60	-21.44	-21.28	-21.12
115N	-24.47	-24.54	-24.41	-24.25	-24.09	-23.93	-23.77	-23.61	-23.45	-23.29	-23.13	-22.97	-22.81	-22.65	-22.49	-22.33	-22.17	-22.01
116N	-25.36	-25.43	-25.30	-25.14	-24.98	-24.82	-24.66	-24.50	-24.34	-24.18	-24.02	-23.86	-23.70	-23.54	-23.38	-23.22	-23.06	-22.90
117N	-26.25	-26.32	-26.19	-26.03	-25.87	-25.71	-25.55	-25.39	-25.23	-25.07	-24.91	-24.75	-24.59	-24.43	-24.27	-24.11	-23.95	-23.79
118N	-27.14	-27.21	-27.08	-26.92	-26.76	-26.60	-26.44	-26.28	-26.12	-25.96	-25.80	-25.64	-25.48	-25.32	-25.16	-25.00	-24.84	-24.68
119N	-28.03	-28.10	-27.97	-27.81	-27.65	-27.49	-27.33	-27.17	-27.01	-26.85	-26.69	-26.53	-26.37	-26.21	-26.05	-25.89	-25.73	-25.57
120N	-28.92	-28.99	-28.86	-28.70	-28.54	-28.38	-28.22	-28.06	-27.90	-27.74	-27.58	-27.42	-27.26	-27.10	-26.94	-26.78	-26.62	-26.46
121N	-29.81	-29.88	-29.75	-29.59	-29.43	-29.27	-29.11	-28.95	-28.79	-28.63	-28.47	-28.31	-28.15	-27.99	-27.83	-27.67	-27.51	-27.35
122N	-30.70	-30.77	-30.64	-30.48	-30.32	-30.16	-30.00	-29.84	-29.68	-29.52	-29.36	-29.20	-29.04	-28.88	-28.72	-28.56	-28.40	-28.24
123N	-31.59	-31.66	-31.53	-31.37	-31.21	-31.05	-30.89	-30.73	-30.57	-30.41	-30.25	-30.09	-29.93	-29.77	-29.61	-29.45	-29.29	-29.13
124N	-32.48	-32.55	-32.42	-32.26	-32.10	-31.94	-31.78	-31.62	-31.46	-31.30	-31.14	-30.98	-30.82	-30.66	-30.50	-30.34	-30.18	-30.02
125N	-33.37	-33.44	-33.31	-33.15	-32.99	-32.83	-32.67	-32.51	-32.35	-32.19	-32.03	-31.87	-31.71	-31.55	-31.39	-31.23	-31.07	-30.91
126N	-34.26	-34.33	-34.20	-34.04	-33.88	-33.72	-33.56	-33.40	-33.24	-33.08	-32.92	-32.76	-32.60	-32.44	-32.28	-32.12	-31.96	-31.80
127N	-35.15	-35.22	-35.09	-34.93	-34.77	-34.61	-34.45	-34.29	-34.13	-33.97	-33.81	-33.65	-33.49	-33.33	-33.17	-33.01	-32.85	-32.69
128N	-36.04	-36.11	-35.98	-35.82	-35.66	-35.50	-35.34	-35.18	-35.02	-34.86	-34.70	-34.54	-34.38	-34.22	-34.06	-33.90	-33.74	-33.58
129N	-36.93	-37.00	-36.87	-36.71	-36.55	-36.39	-36.23	-36.07	-35.91	-35.75	-35.59	-35.43	-35.27	-35.11	-34.95	-34.79	-34.63	-34.47
130N	-37.82	-37.89	-37.76	-37.60	-37.44	-37.28	-37.12	-36.96	-36.80	-36.64	-36.48	-36.32	-36.16	-36.00	-35.84	-35.68	-35.52	-35.36
131N	-38.71	-38.78	-38.65	-38.49	-38.33	-38.17	-38.01	-37.85	-37.69	-37.53	-37.37	-37.21	-37.05	-36.89	-36.73	-36.57	-36.41	-36.25
132N	-39.60	-39.67	-39.54	-39.38	-39.22	-39.06	-38.90	-38.74	-38.58	-38.42	-38.26	-38.10	-37.94	-37.78	-37.62	-37.46	-37.30	-37.14
133N	-40.49	-40.56	-40.43	-40.27	-40.11	-39.95	-39.79	-39.63	-39.47	-39.31	-39.15	-38.99	-38.83	-38.67	-38.51	-38.35	-38.19	-38.03
134N	-41.38	-41.45	-41.32	-41.16	-41.00	-40.84	-40.68	-40.52	-40.36	-40.20	-40.04	-39.88	-39.72	-39.56	-39.40	-39.24	-39.08	-38.92
135N	-42.27	-42.34	-42.21	-42.05	-41.89	-41.73	-41.57	-41.41	-41.25	-41.09	-40.93	-40.77	-40.61	-40.45	-40.29	-40.13	-39.97	-39.81
136N	-43.16	-43.23	-43.10	-42.94	-42.78	-42.62	-42.46	-42.30	-42.14	-41.98	-41.82	-41.66	-41.50	-41.34	-41.18	-41.02	-40.86	-40.70
137N	-44.05	-44.12	-43.99	-43.83	-43.67	-43.51	-43.35	-43.19	-43.03	-42.87	-42.71	-42.55	-42.39	-42.23	-42.07	-41.91	-41.75	-41.59
138N	-44.94	-45.01	-44.88	-44.72	-44.56	-44.40	-44.24	-44.08	-43.92	-43.76	-43.60	-43.44	-43.28	-43.12	-42.96	-42.80	-42.64	-42.48
139N	-45.83	-45.90	-45.77	-45.61	-45.45	-45.29	-45.13	-44.97	-44.81	-44.65	-44.49	-44.33	-44.17	-44.01	-43.85	-43.69	-43.53	-43.37
140N	-46.72	-46.79	-46.66	-46.50	-46.34	-46.18	-46.02	-45.86	-45.70	-45.54	-45.38	-45.22	-45.06	-44.90	-44.74	-44.58	-44.42	-44.26
141N	-47.61	-47.68	-47.55	-47.39	-47.23	-47.07	-46.91	-46.75	-46.59	-46.43	-46.27	-46.11	-45.95	-45.79	-45.63	-45.47	-45.31	-45.15
142N	-48.50	-48.57	-48.44	-48.28	-48.12	-47.96	-47.80	-47.64	-47.48	-47.32	-47.16	-47.00	-46.84	-46.68	-46.52	-46.36	-46.20	-46.04
143N	-49.39	-49.46	-49.33	-49.17	-49.01	-48.85	-48.69	-48.53	-48.37	-48.21	-48.05	-47.89	-47.73	-47.57	-47.41	-47.25	-47.09	-46.93
144N	-50.28	-50.35	-50.22	-50.06	-49.90	-49.74	-49.58	-49.42	-49.26	-49.10	-48.94	-48.78	-48.62	-48.46	-48.30	-48.14	-47.98	-47.82
145N	-51.17	-51.24	-51.11	-50.95	-50.79	-50.63	-50.47	-50.31	-50.15	-49.99	-49.83	-49.67	-49.51	-49.35	-49.19	-49.03	-48.87	-48.71
146N	-52.06	-52.13	-52.00	-51.84	-51.68	-51.52	-51.36	-51.20	-51.04	-50.88	-50.72	-50.56	-50.40	-50.24	-50.08	-49.92	-49.76	-49.60
147N	-52.95	-53.02	-52.89	-52.73	-52.57	-52.41	-52.25	-52.09	-51.93	-51.77	-51.61	-51.45	-51.29	-51.13	-50.97	-50.81	-50.65	-50.49
148N	-53.84	-53.91	-53.78	-53.62	-53.46	-53.30	-53.14	-52.98	-52.82	-52.66	-52.50	-52.34	-52.18	-52.02	-51.86	-51.70	-51.54	-51.38
149N	-54.73	-54.80	-54.67	-54.51	-54.35	-54.19	-54.03	-53.87	-53.71	-53.55	-53.39	-53.23	-53.07	-52.91	-52.75	-52.59	-52.43	-52.27
150N	-55.62	-55.69	-55.56	-55.40	-55.24	-55.08	-54.92	-54.76	-54.60	-54.44	-54.28	-54.12	-53.96	-53.80	-53.64	-53.48	-53.32	-53.16
151N	-56.51	-56.58																

Table 5.24

TABLE 5-24 APR 400MB																			APRIL 400 mb MERIDIONAL GEOSTROPHIC (m/sec)																		
	177.5W	172.5W	167.5W	162.5W	157.5W	152.5W	147.5W	142.5W	137.5W	132.5W	127.5W	122.5W	117.5W	112.5W	107.5W	102.5W	97.5W	92.5W																			
88N	-1.23	-1.29	-1.34	-1.36	-1.40	-1.42	-1.43	-1.40	-1.36	-1.32	-1.24	-1.15	-1.05	-0.94	-0.81	-0.68	-0.55	-0.37																			
84N	-0.92	-1.09	-1.22	-1.34	-1.46	-1.59	-1.70	-1.77	-1.80	-1.83	-1.83	-1.80	-1.75	-1.65	-1.51	-1.37	-1.18	-0.89																			
80N	-0.59	-0.80	-0.96	-1.08	-1.21	-1.35	-1.50	-1.63	-1.75	-1.88	-2.02	-2.14	-2.20	-2.17	-2.07	-1.93	-1.70	-1.32																			
76N	-0.30	-0.45	-0.53	-0.56	-0.58	-0.66	-0.80	-0.98	-1.21	-1.54	-1.88	-2.17	-2.40	-2.49	-2.46	-2.35	-2.11	-1.71																			
72N	-0.11	-0.12	0.01	0.20	0.38	0.45	0.36	0.11	-0.30	-0.87	-1.47	-1.89	-2.40	-2.65	-2.72	-2.65	-2.42	-2.03																			
68N	0.01	0.15	0.58	1.08	1.50	1.73	1.68	1.33	0.70	-0.11	-0.95	-1.67	-2.25	-2.67	-2.86	-2.85	-2.42	-2.29																			
64N	0.27	0.51	1.19	1.96	2.50	2.71	2.61	2.17	1.39	0.44	-0.45	-1.21	-1.89	-2.49	-2.86	-2.98	-2.63	-2.53																			
60N	0.84	1.12	1.91	2.69	3.07	3.06	2.85	2.38	1.57	0.66	-0.07	-0.69	-1.37	-2.15	-2.78	-3.05	-2.98	-2.75																			
56N	1.75	1.99	2.67	3.15	3.09	2.74	2.44	2.04	1.33	0.58	-0.10	-0.26	-0.87	-1.79	-2.63	-3.03	-3.06	-2.95																			
52N	2.77	2.94	3.26	3.21	2.59	1.91	1.60	1.38	0.87	0.32	0.07	-0.09	-0.61	-1.54	-2.42	-2.87	-2.99	-3.02																			
48N	3.29	3.42	3.36	2.76	1.77	0.97	0.75	0.74	-0.42	-0.02	-0.26	-0.39	-0.77	-1.46	-2.09	-2.40	-2.55	-2.69																			
44N	2.82	3.01	2.76	1.97	0.96	0.24	0.10	0.18	-0.05	-0.53	-0.88	-1.01	-1.14	-1.36	-1.50	-1.52	-1.65	-1.83																			
40N	1.49	1.83	1.67	1.06	0.32	-0.21	-0.36	-0.32	-0.55	-1.10	-1.54	-1.56	-1.29	-0.97	-0.60	-0.36	-0.44	-0.64																			
36N	-0.32	0.18	0.28	0.10	-0.16	-0.41	-0.54	-0.57	-0.84	-1.45	-1.89	-1.72	-1.06	-0.29	0.45	0.88	0.81	0.54																			
32N	-2.12	-1.56	-1.19	-0.87	-0.52	-0.32	-0.27	-0.31	-0.63	-1.25	-1.60	-1.24	-0.40	0.56	1.42	1.89	1.81	1.37																			
28N	-3.20	-2.74	-2.33	-1.69	-0.77	0.01	0.46	0.55	0.25	-0.26	-0.49	-0.15	0.48	1.23	1.93	2.31	2.19	1.60																			
24N	-3.38	-3.05	-2.84	-2.17	-0.54	0.33	1.26	1.61	1.42	1.05	0.89	1.00	1.22	1.52	1.87	2.07	1.93	1.38																			
20N	-3.20	-2.90	-2.88	-2.31	-1.05	0.45	1.71	2.29	2.22	1.96	1.78	1.65	1.54	1.50	1.51	1.45	1.38	1.01																			
16N	-2.71	-2.71	-2.71	-2.22	-1.07	0.38	1.68	2.36	2.38	2.17	1.95	1.68	1.43	1.26	1.04	0.75	0.65	0.65																			
12N	-2.98	-2.60	-2.42	-1.91	-0.99	0.12	1.12	1.68	1.74	1.59	1.39	1.14	0.96	0.83	0.55	0.18	0.11	0.35																			
8N	-2.64	-2.40	-2.15	-1.72	-1.03	-0.20	0.52	0.90	0.98	0.98	0.92	0.73	0.55	0.41	0.21	-0.03	-0.08	0.15																			
4N	-1.72	-1.61	-1.42	-1.15	-0.75	-0.29	0.07	0.26	0.38	0.51	0.55	0.44	0.26	0.12	0.07	0.03	0.02	0.16																			
0	-0.33	-0.18	0.02	0.25	0.25	-0.05	-0.40	-0.53	-0.40	-0.28	-0.23	-0.17	-0.12	-0.10	-0.01	0.15	0.27	0.37																			
4S	1.02	1.32	1.56	1.77	1.42	0.38	0.68	-1.15	-1.11	-1.07	-1.04	-0.75	-0.40	-0.22	-0.02	0.32	0.59	0.69																			
8S	1.84	2.37	2.62	2.72	2.22	0.94	-0.47	-1.22	-1.41	-1.54	-1.46	-0.90	-0.29	-0.06	0.11	0.51	0.88	1.01																			
12S	1.78	2.50	2.84	2.91	2.47	1.30	-0.09	-0.92	-1.28	-1.53	-1.37	-0.60	0.14	0.28	0.26	0.56	0.93	1.06																			
16S	1.04	1.78	2.29	2.52	2.20	1.15	-0.04	-0.68	-0.96	-1.19	-1.01	-0.22	0.46	0.42	0.18	0.33	0.63	0.66																			
20S	0.16	0.79	1.40	1.77	1.57	0.69	-0.18	-0.50	-0.59	-0.74	-0.60	-0.02	0.43	0.22	-0.15	-0.10	0.12	0.04																			
24S	-0.46	0.02	0.57	0.98	0.88	0.25	-0.30	-0.36	-0.29	-0.36	-0.33	-0.08	0.06	-0.22	-0.57	-0.55	-0.42	-0.58																			
28S	-0.63	-0.32	0.06	0.38	0.38	0.03	-0.25	-0.22	-0.14	-0.20	-0.28	-0.34	-0.43	-0.65	-0.87	-0.89	-0.85	-0.99																			
32S	-0.38	-0.22	-0.08	0.05	0.09	-0.03	-0.14	-0.13	-0.14	-0.23	-0.34	-0.52	-0.67	-0.78	-0.92	-1.04	-1.08	-1.10																			
36S	0.13	0.19	0.09	0.00	-0.01	-0.02	-0.06	-0.07	-0.15	-0.24	-0.31	-0.44	-0.54	-0.63	-0.77	-1.00	-1.09	-0.97																			
40S	0.69	0.65	0.46	0.16	0.08	0.10	0.09	0.03	-0.06	-0.13	-0.13	-0.19	-0.31	-0.38	-0.52	-0.79	-0.88	-0.66																			
44S	1.04	0.95	0.64	0.35	0.27	0.29	0.28	0.23	0.18	0.17	0.19	0.15	-0.02	-0.12	-0.21	-0.42	-0.50	-0.26																			
48S	0.92	0.84	0.59	0.40	0.39	0.47	0.49	0.48	0.52	0.56	0.60	0.52	0.29	0.14	0.13	0.05	-0.01	0.16																			
52S	0.18	0.19	0.14	0.18	0.36	0.51	0.58	0.61	0.73	0.86	0.94	0.86	0.62	0.44	0.45	0.48	0.45	0.49																			
56S	-0.72	-0.62	-0.47	-0.20	0.10	0.33	0.41	0.46	0.64	0.88	1.05	1.05	0.88	0.71	0.67	0.70	0.68	0.61																			
60S	-1.31	-1.18	-0.91	-0.54	-0.22	-0.04	-0.01	0.02	0.23	0.55	0.82	0.93	0.85	0.70	0.62	0.62	0.59	0.49																			
64S	-1.59	-1.50	-1.23	-0.88	-0.66	-0.63	-0.70	-0.71	-0.51	-0.17	0.16	0.35	0.36	0.26	0.20	0.19	0.22	0.22																			
68S	-1.81	-1.76	-1.56	-1.36	-1.31	-1.42	-1.61	-1.68	-1.54	-1.26	-0.97	-0.76	-0.66	-0.65	-0.62	-0.51	-0.34	-0.13																			
72S	-2.35	-2.35	-2.21	-2.12	-2.17	-2.34	-2.57	-2.69	-2.64	-2.49	-2.31	-2.13	-1.95	-1.78	-1.57	-1.28	-0.91	-0.49																			
76S	-3.14	-3.16	-3.10	-3.04	-3.06	-3.19	-3.35	-3.47	-3.48	-3.42	-3.32	-3.16	-2.93	-2.63	-2.27	-1.85	-1.35	-0.81																			
80S	-3.76	-3.80	-3.79	-3.76	-3.75	-3.79	-3.86	-3.91	-3.92	-3.87	-3.76	-3.58	-3.32	-2.98	-2.61	-2.16	-1.64	-1.09																			
84S	-4.06	-4.12	-4.14	-4.14	-4.11	-4.10	-4.09	-4.08	-4.04	-3.93	-3.77	-3.68	-3.32	-3.01	-2.68	-2.28	-1.81	-1.32																			
88S	-4.19	-4.26	-4.30	-4.32	-4.31	-4.27	-4.20	-4.11	-4.00	-3.84	-3.66	-3.45	-3.18	-2.91	-2.61	-2.26	-1.87	-1.47																			

Table 5.24---Continued

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	-0.15	0.07	0.31	0.54	0.75	0.96	1.16	1.35	1.50	1.61	1.71	1.78	1.80	1.79	1.77	1.69	1.57	1.45
84N	-0.51	-0.10	0.36	0.83	1.28	1.70	2.12	2.48	2.74	2.90	2.97	2.96	2.87	2.70	2.48	2.18	1.79	1.38
80N	-0.84	-0.27	0.39	1.12	1.82	2.49	3.13	3.66	4.01	4.17	4.17	4.02	3.75	3.37	2.90	2.34	1.73	1.08
76N	-1.18	-0.52	0.27	1.17	2.11	3.00	3.84	4.53	4.99	5.18	5.10	4.81	4.36	3.76	3.09	2.34	1.53	0.70
72N	-1.51	-0.86	-0.05	0.92	1.98	3.01	4.00	4.88	5.50	5.80	5.73	5.34	4.73	4.01	3.17	2.26	1.33	0.39
68N	-1.81	-1.21	-0.46	0.45	1.46	2.49	3.55	4.59	5.45	5.99	6.08	5.71	5.03	4.23	3.27	2.20	1.16	0.17
64N	-2.10	-1.54	-0.84	0.01	0.88	1.79	2.79	3.92	5.06	5.93	6.28	6.02	5.36	4.46	3.36	2.09	0.90	-0.08
60N	-2.41	-1.89	-1.17	0.34	0.48	1.24	2.11	3.29	4.67	5.86	6.44	6.28	5.63	4.63	3.28	1.74	0.42	-0.46
56N	-2.73	-2.26	-1.49	0.58	0.25	0.91	1.70	2.91	4.47	5.86	6.55	6.41	5.68	4.51	2.89	1.07	-0.33	-1.01
52N	-2.94	-2.57	-1.80	0.80	0.08	0.78	1.62	2.93	4.57	5.98	6.60	6.29	5.32	3.94	2.11	0.10	-1.32	-1.75
48N	-2.71	-2.48	-1.86	0.93	-0.05	0.75	1.77	3.19	4.76	5.96	6.30	5.63	4.31	2.74	0.92	-1.01	-2.36	-2.64
44N	-1.88	-1.82	-1.52	0.87	-0.10	0.76	1.88	3.24	4.56	5.39	5.35	4.83	2.74	1.15	-0.41	-1.99	-3.18	-3.44
40N	-0.78	-0.97	-1.07	0.76	-0.10	0.75	1.80	2.92	3.83	4.22	3.84	2.65	1.07	-0.34	-1.50	-2.64	-3.57	-3.82
36N	0.19	-0.37	-0.86	0.82	-0.21	0.67	1.58	2.38	2.83	2.74	2.08	0.94	-0.35	-1.40	-2.16	-2.83	-3.59	-3.57
32N	0.65	-0.31	-1.10	1.18	-0.53	0.37	1.19	1.76	1.83	1.33	0.49	-0.44	-1.29	-1.93	-2.26	-2.40	-2.52	-2.59
28N	0.58	-0.63	-1.51	1.61	-1.00	-0.15	0.60	1.08	1.03	0.39	-0.46	-1.20	-1.66	-1.88	-1.75	-1.36	-1.05	-1.10
24N	0.39	-0.71	-1.45	1.58	-1.20	-0.61	-0.06	0.35	0.38	-0.12	-0.85	-1.40	-1.60	-1.46	-0.93	-0.14	0.43	0.31
20N	0.40	-0.26	-0.67	0.84	-0.84	-0.71	-0.47	-0.24	-0.17	-0.42	-0.90	-1.27	-1.31	-0.93	-0.16	0.76	1.34	1.18
16N	0.57	0.55	0.60	0.41	-0.03	-0.38	-0.50	-0.51	-0.50	-0.54	-0.71	-0.91	-0.89	-0.44	0.35	1.17	1.58	1.40
12N	0.74	1.31	1.79	1.61	0.84	0.13	-0.26	-0.46	-0.53	-0.45	-0.33	-0.39	-0.41	-0.09	0.49	1.00	1.16	1.02
8N	0.71	1.54	2.19	2.02	1.15	0.31	-0.16	-0.42	-0.51	-0.30	-0.01	0.00	-0.12	-0.00	0.34	0.60	0.63	0.56
4N	0.54	1.09	1.43	1.22	0.70	0.31	0.14	-0.02	-0.15	-0.06	0.08	0.01	-0.15	-0.06	0.20	0.35	0.33	0.29
0	0.43	0.26	-0.16	0.45	-0.22	0.43	0.98	1.07	0.77	0.38	0.03	-0.30	-0.40	-0.15	0.17	0.24	0.08	0.04
4S	0.42	-0.51	-1.76	2.22	-1.32	0.38	1.78	2.26	1.87	0.94	-0.09	-0.79	-0.82	-0.34	0.15	0.17	-0.14	-0.20
8S	0.63	-0.69	-2.51	3.38	-2.39	-0.16	1.92	2.36	2.78	1.49	-0.26	-1.42	-1.44	-0.68	0.03	0.07	-0.33	-0.44
12S	0.67	-0.65	-2.55	3.67	-2.97	-0.86	1.40	2.92	3.22	1.95	-0.25	-1.86	-2.03	-1.19	0.37	-0.24	-0.55	-0.61
16S	0.21	-0.93	-2.47	3.36	-2.83	-1.15	0.83	2.52	3.28	2.36	0.12	-1.77	-2.22	-1.61	-0.94	-0.72	-0.78	-0.68
20S	-0.46	-1.33	-2.31	2.78	-2.28	-1.02	0.56	2.18	3.20	2.64	0.62	-1.21	-1.99	-1.72	-1.33	-1.12	-0.94	-0.68
24S	-1.05	-1.64	-2.10	2.14	-1.57	-0.60	0.58	1.94	2.93	2.57	0.88	-0.86	-1.59	-1.55	-1.42	-1.31	-1.01	-0.63
28S	-1.32	-1.67	-1.80	1.52	-0.83	-0.05	0.73	1.68	2.37	2.04	0.71	-0.64	-1.22	-1.23	-1.22	-1.20	-0.94	-0.55
32S	-1.22	-1.40	-1.37	0.90	-0.15	0.42	0.79	1.26	1.58	1.23	0.29	-0.57	-0.87	-0.79	-0.77	-0.84	-0.74	-0.47
36S	-0.87	-0.91	-0.81	0.28	0.45	0.79	0.80	0.90	0.96	0.60	0.01	-0.40	-0.44	-0.28	-0.25	-0.41	-0.54	-0.40
40S	-0.40	-0.32	-0.20	0.30	0.95	1.19	1.04	0.93	0.78	0.37	-0.01	-0.08	0.06	0.21	0.18	-0.08	-0.32	-0.31
44S	0.08	0.23	0.36	0.83	1.45	1.74	1.63	1.41	1.05	0.54	0.27	0.41	0.63	0.69	0.50	0.13	-0.16	-0.19
48S	0.46	0.62	0.78	1.27	1.95	2.40	2.46	2.21	1.68	1.09	0.92	1.15	1.32	1.17	0.77	0.28	-0.05	-0.09
52S	0.63	0.74	0.95	1.47	2.20	2.82	3.09	2.94	2.47	2.03	2.00	2.17	2.10	1.70	1.12	0.55	0.17	0.06
56S	0.56	0.59	0.80	1.27	1.97	2.69	3.17	3.29	3.15	3.03	3.10	3.08	2.73	2.17	1.55	1.00	0.61	0.43
60S	0.37	0.34	0.46	0.81	1.42	2.19	2.87	3.30	3.50	3.63	3.71	3.49	2.98	2.43	1.93	1.52	1.24	1.08
64S	0.17	0.13	0.18	0.39	0.90	1.66	2.47	3.10	3.49	3.73	3.73	3.40	2.91	2.49	2.21	2.03	1.95	1.92
68S	0.01	0.08	0.16	0.32	0.74	1.42	2.22	2.87	3.43	3.35	3.35	3.05	2.71	2.50	2.42	2.47	2.61	2.69
72S	-0.12	0.19	0.45	0.70	1.08	1.63	2.27	2.77	3.05	3.14	3.07	2.90	2.74	2.66	2.66	2.79	2.99	3.07
76S	-0.29	0.21	0.66	1.06	1.91	1.91	2.38	2.75	2.96	3.07	3.10	3.07	3.01	2.95	2.94	3.00	3.09	3.08
80S	-0.53	0.01	0.53	1.01	1.44	1.85	2.25	2.57	2.81	2.98	3.12	3.19	3.20	3.16	3.14	3.14	3.12	3.03
84S	-0.82	-0.34	0.15	0.63	1.06	1.46	1.83	2.16	2.44	2.69	2.92	3.09	3.18	3.21	3.25	3.27	3.23	3.19
88S	-1.06	-0.65	-0.25	0.16	0.57	0.97	1.34	1.68	2.01	2.33	2.63	2.89	3.11	3.28	3.43	3.57	3.65	3.73

Table 5.24--Continued

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
88N	1.29	1.15	1.00	0.82	0.69	0.56	0.42	0.30	0.19	0.13	0.08	0.06	0.06	0.07	0.08	0.12	0.15	0.15
84N	0.98	0.57	0.14	0.27	-0.62	-0.94	-1.23	-1.49	-1.68	-1.77	-1.78	-1.68	-1.50	-1.27	-0.96	-0.60	-0.26	0.06
80N	0.45	-0.17	-0.79	1.37	-1.90	-2.41	-2.89	-3.30	-3.61	-3.82	-3.88	-3.74	-3.46	-3.03	-2.47	-1.84	-1.17	-0.49
76N	0.09	-0.82	-1.51	2.15	-2.76	-3.38	-3.99	-4.54	-4.99	-5.33	-5.48	-5.41	-5.13	-4.65	-4.00	-3.23	-2.38	-1.48
72N	-0.47	-1.20	-1.79	2.32	-2.88	-3.52	-4.18	-4.83	-5.40	-5.85	-6.13	-6.19	-5.82	-5.25	-4.54	-3.69	-2.78	-1.79
68N	-0.66	-1.23	-1.55	1.81	-2.20	-2.76	-3.38	-4.02	-4.63	-5.15	-5.54	-5.76	-5.82	-5.75	-5.55	-5.22	-4.69	-4.01
64N	-0.78	-1.09	-1.06	0.99	-1.16	-1.54	-2.02	-2.54	-3.12	-3.69	-4.18	-4.57	-4.88	-5.13	-5.28	-5.30	-5.10	-4.71
60N	-0.93	-0.98	-0.65	0.29	-0.24	-0.42	-0.67	-0.99	-1.49	-2.12	-2.75	-3.32	-3.78	-4.22	-4.63	-4.95	-5.02	-4.83
56N	-1.17	-0.97	-0.44	0.11	0.33	0.34	0.38	0.37	0.01	-0.66	-1.43	-2.15	-2.67	-3.15	-3.73	-4.29	-4.59	-4.57
52N	-1.57	-1.15	-0.56	0.14	0.49	0.68	1.04	1.42	1.33	0.69	-0.19	-0.97	-1.46	-1.89	-2.57	-3.38	-3.95	-4.14
48N	-2.22	-1.61	-0.86	-0.13	0.29	0.63	1.33	2.23	2.61	2.16	1.25	0.48	0.08	-0.31	-1.13	-2.25	-3.18	-3.69
44N	-2.95	-2.21	-1.37	0.58	-0.09	0.38	1.42	2.87	3.81	3.70	2.90	2.16	1.82	1.38	0.33	-1.10	-2.35	-3.21
40N	-3.38	-2.66	-1.82	-1.01	-0.44	0.18	1.48	3.28	4.62	4.87	4.30	3.66	3.26	2.65	1.38	-0.24	-1.66	-2.72
36N	-3.32	-2.84	-2.15	1.37	-0.70	0.10	1.52	3.37	4.86	5.38	5.12	4.60	4.04	3.15	1.72	0.11	-1.25	-2.31
32N	-2.68	-2.68	-2.35	1.69	-0.90	0.08	1.50	3.15	4.49	5.16	5.20	4.78	4.00	2.80	1.30	-0.12	-1.20	-2.04
28N	-1.60	-2.17	-2.31	1.89	-1.11	-0.07	1.23	2.60	3.71	4.42	4.66	4.31	3.39	2.04	0.57	-0.59	-1.32	-1.83
24N	-0.45	-1.37	-1.88	1.77	-1.22	-0.40	0.65	1.78	2.78	3.52	3.84	3.57	2.75	1.54	0.19	-0.82	-1.29	-1.49
20N	0.42	-0.48	-1.10	1.25	-1.06	-0.67	-0.03	0.86	1.83	2.64	2.97	2.79	2.27	1.41	0.25	-0.71	-1.04	-1.01
16N	0.87	0.27	-0.20	0.45	-0.60	-0.70	-0.57	-0.01	0.91	1.75	2.05	1.93	1.75	1.37	0.48	-0.44	-0.72	-0.52
12N	0.82	0.67	0.53	0.34	0.02	-0.43	-0.75	-0.60	0.40	0.72	0.93	0.86	0.95	1.01	0.51	-0.23	-0.45	-0.17
8N	0.57	0.74	0.87	0.72	0.31	-0.20	-0.61	-0.77	-0.61	-0.31	-0.17	-0.15	0.05	0.35	0.28	-0.14	-0.35	-0.11
4N	0.37	0.54	0.61	0.46	0.18	-0.08	-0.23	-0.33	-0.44	-0.51	-0.54	-0.51	-0.34	-0.07	0.07	-0.08	-0.21	-0.04
0	0.17	0.15	-0.11	0.24	-0.05	0.19	0.38	0.57	0.57	0.22	-0.18	-0.29	-0.18	-0.06	-0.01	0.03	0.17	0.33
4S	-0.02	-0.19	-0.76	0.84	-0.13	0.60	1.01	1.37	1.44	0.85	0.11	-0.07	0.07	0.08	0.09	0.38	0.84	0.96
8S	-0.18	-0.24	-0.73	0.70	0.26	1.17	1.41	1.41	1.11	0.26	-0.44	-0.35	0.05	0.21	0.47	1.20	1.96	1.89
12S	-0.24	0.02	-0.12	0.07	1.08	1.89	1.63	0.82	-0.15	-1.16	-1.52	-0.90	-0.08	0.43	1.14	2.33	3.27	2.91
16S	-0.23	0.23	0.34	0.61	1.61	2.38	1.82	0.44	-0.97	-2.02	-2.10	-1.14	-0.05	0.74	1.75	3.15	4.08	3.53
20S	-0.24	0.22	0.30	0.44	1.35	2.25	1.89	0.53	-0.95	-1.95	-1.92	-0.95	0.11	0.95	2.00	3.31	4.11	3.61
24S	-0.23	0.08	-0.07	0.26	0.44	1.54	1.70	0.78	-0.47	-1.33	-1.28	-0.48	0.36	1.02	1.86	2.90	3.57	3.34
28S	-0.16	-0.00	-0.46	1.04	-0.67	0.48	1.12	0.76	-0.09	-0.72	-0.60	0.02	0.57	0.96	1.48	2.22	2.87	3.08
32S	-0.10	-0.03	-0.64	1.43	-1.39	-0.50	0.24	0.21	-0.29	-0.58	-0.28	0.24	0.58	0.76	1.09	1.71	2.43	3.02
36S	-0.13	-0.13	-0.71	1.48	-1.62	-1.11	-0.62	-0.60	-0.84	-0.77	-0.26	0.22	0.36	0.44	0.80	1.45	2.20	2.95
40S	-0.15	-0.20	-0.70	1.35	-1.57	-1.37	-1.19	-1.26	-1.34	-0.97	-0.30	0.09	0.05	0.07	0.51	1.23	1.94	2.63
44S	-0.07	-0.11	-0.50	1.01	-1.28	-1.31	-1.39	-1.63	-1.67	-1.13	-0.38	-0.11	-0.30	-0.34	0.14	0.91	1.56	2.07
48S	0.07	0.14	-0.16	0.48	-0.77	-0.96	-1.23	-1.64	-1.75	-1.23	-0.54	-0.36	-0.61	-0.72	-0.31	0.44	1.02	1.34
52S	0.23	0.41	0.30	0.01	-0.31	-0.55	-0.92	-1.45	-1.67	-1.27	-0.67	-0.68	-0.69	-0.87	-0.61	0.04	0.54	0.69
56S	0.52	0.67	0.55	0.22	-0.12	-0.39	-0.79	-1.32	-1.53	-1.13	-0.51	-0.22	-0.33	-0.57	-0.53	-0.10	0.27	0.27
60S	1.10	1.10	0.81	0.32	-0.14	-0.51	-0.90	-1.27	-1.27	-0.71	0.02	0.43	0.40	0.08	-0.14	-0.02	0.15	0.05
64S	1.90	1.72	1.19	0.46	-0.20	-0.69	-1.04	-1.16	-0.84	-0.05	0.79	1.27	1.26	0.83	0.37	0.18	0.14	0.0
68S	2.65	2.34	1.64	0.73	-0.11	-0.67	-0.90	-0.76	-0.16	0.75	1.59	2.04	1.97	1.45	0.84	0.45	0.28	0.16
72S	2.98	2.63	1.95	1.11	0.35	-0.11	-0.16	0.17	0.80	1.56	2.19	2.47	2.32	1.83	1.28	0.90	0.73	0.65
76S	2.92	2.62	2.14	1.61	1.17	0.96	1.06	1.40	1.85	2.29	2.60	2.69	2.53	2.17	1.80	1.55	1.43	1.33
80S	2.88	2.69	2.48	2.28	2.14	2.14	2.29	2.53	2.75	2.92	3.00	2.97	2.84	2.61	2.36	2.19	2.06	1.87
84S	3.14	3.10	3.08	3.09	3.12	3.19	3.44	3.42	3.45	3.44	3.40	3.40	3.15	2.96	2.76	2.58	2.37	2.07
88S	3.81	3.86	3.91	3.98	4.00	4.01	4.00	3.95	3.85	3.73	3.60	3.43	3.20	2.97	2.72	2.45	2.14	1.80

Table 5.24--Continued

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	0.15	0.15	0.10	0.06	0.02	-0.07	-0.18	-0.32	-0.43	-0.52	-0.63	-0.74	-0.84	-0.93	-1.02	-1.10	-1.16	-1.21
84N	0.37	0.64	0.85	1.02	1.16	1.21	1.15	1.00	0.85	0.73	0.58	0.37	0.16	-0.05	-0.27	-0.48	-0.67	-0.80
80N	0.15	0.75	1.29	1.77	2.19	2.48	2.59	2.54	2.44	2.30	2.09	1.78	1.43	1.06	0.66	0.25	-0.14	-0.38
76N	-0.59	0.27	1.11	1.95	2.68	3.28	3.64	3.79	3.79	3.68	3.46	3.08	2.63	2.11	1.50	0.89	0.35	-0.04
72N	-1.85	-0.89	0.15	1.26	2.31	3.24	3.92	4.30	4.46	4.46	4.31	3.98	3.51	2.90	2.14	1.36	0.66	0.15
68N	-3.27	-2.46	-1.49	-0.33	0.91	2.08	3.01	3.62	3.98	4.17	4.22	4.10	3.78	3.25	2.52	1.70	0.89	0.27
64N	-4.26	-3.79	-3.18	-2.23	-1.00	0.19	1.15	1.89	2.46	2.89	3.21	3.40	3.41	3.22	2.79	2.14	1.34	0.60
60N	-4.62	-4.55	-4.43	-3.81	-2.74	-1.73	-0.94	-0.21	0.52	1.19	1.78	2.31	2.79	3.12	3.17	2.84	2.12	1.28
56N	-4.55	-4.86	-5.18	-4.92	-4.11	-3.36	-2.82	-2.15	-1.31	-0.42	0.40	1.25	2.22	3.14	3.68	3.66	3.07	2.22
52N	-4.32	-4.91	-5.57	-5.60	-5.04	-4.54	-4.18	-3.52	-2.52	-1.43	-0.44	0.57	1.87	3.27	4.19	4.35	3.85	3.14
48N	-4.13	-4.91	-5.72	-5.91	-5.55	-5.18	-4.77	-3.87	-2.57	-1.29	-0.28	0.59	1.78	3.21	4.16	4.28	3.85	3.41
44N	-3.92	-4.79	-5.56	-5.78	-5.54	-5.16	-4.48	-3.15	-1.50	-0.10	0.76	1.19	1.80	2.71	3.26	3.16	2.78	2.63
40N	-3.57	-4.36	-4.94	-5.06	-4.80	-4.31	-3.35	-1.73	0.07	1.44	2.04	1.95	1.81	1.90	1.80	1.39	1.01	1.06
36N	-3.11	-3.65	-3.85	-3.65	-3.22	-2.62	-1.54	0.04	1.60	2.69	3.01	2.55	1.74	0.97	0.19	-0.56	-0.98	-0.86
32N	-2.60	-2.71	-2.34	-1.66	-0.99	-0.37	0.50	1.59	2.52	3.09	3.18	2.58	1.41	0.06	-1.20	-2.18	-2.67	-2.61
28N	-2.06	-1.71	-0.82	0.22	0.98	1.38	1.76	2.11	2.31	2.38	2.31	1.78	0.67	-0.70	-2.02	-3.05	-3.60	-3.60
24N	-1.46	-0.91	0.12	1.17	1.77	1.87	1.75	1.56	1.32	1.16	1.04	0.65	-0.18	-1.24	-2.34	-3.34	-3.93	-3.85
20N	-0.88	-0.46	0.29	1.07	1.48	1.41	1.08	0.69	0.37	0.22	0.17	-0.11	-0.73	-1.52	-2.43	-3.44	-4.09	-3.89
16N	-0.38	-0.28	-0.04	0.36	0.67	0.70	0.44	0.06	-0.20	-0.10	-0.32	-0.32	-0.88	-1.51	-2.23	-3.25	-4.06	-3.88
12N	-0.01	-0.18	-0.39	-0.32	0.03	0.36	0.34	0.02	-0.29	-0.19	0.08	-0.04	-0.57	-1.04	-1.47	-2.31	-3.28	-3.50
8N	0.12	-0.04	-0.42	-0.54	-0.12	0.49	0.64	0.24	-0.12	0.00	0.33	0.27	-0.14	-0.33	-0.32	-0.77	-1.82	-2.60
4N	0.20	0.16	-0.14	-0.32	-0.02	0.49	0.63	0.29	-0.06	-0.03	0.17	0.16	-0.03	-0.07	0.05	-0.15	-0.88	-1.55
0	0.39	0.33	0.23	0.13	0.09	0.14	0.14	0.04	-0.16	-0.37	-0.41	-0.30	-0.23	-0.39	-0.69	-0.91	-0.89	-0.62
4S	0.64	0.33	0.35	0.36	0.05	-0.31	-0.38	-0.21	-0.25	-0.71	-1.06	-0.86	-0.54	-0.88	-1.71	-2.02	-1.21	0.12
8S	0.92	-0.02	-0.29	-0.23	-0.40	-0.65	-0.55	-0.17	-0.16	-0.80	-1.40	-1.24	-0.81	-1.21	-2.28	-2.62	-1.40	0.50
12S	1.24	-0.48	-1.28	-1.33	-1.23	-1.07	-0.59	0.06	-0.22	-0.42	-1.17	-1.17	-0.84	-1.23	-2.23	-2.53	-1.37	0.41
16S	1.58	-0.52	-1.69	-2.01	-1.98	-1.64	-0.81	0.26	0.80	0.36	-0.45	-0.70	-0.62	-1.03	-1.86	-2.09	-1.25	0.01
20S	1.91	-0.02	-1.32	-2.02	-2.34	-2.08	-1.05	0.37	1.34	1.21	0.43	-0.08	-0.30	-0.76	-1.38	-1.54	-1.09	-0.45
24S	2.28	0.90	-0.37	-1.48	-2.28	-2.27	-1.25	0.33	1.61	1.82	1.19	0.54	0.04	-0.49	-0.90	-1.00	-0.91	-0.75
28S	2.77	1.98	0.79	-0.63	-1.83	-2.13	-1.35	0.08	1.43	1.92	1.56	0.99	0.39	-0.15	-0.44	-0.56	-0.71	-0.78
32S	3.24	2.78	1.64	0.15	-1.11	-1.60	-1.24	-0.32	0.76	1.36	1.33	1.04	0.57	0.12	-0.10	-0.23	-0.44	-0.52
36S	3.38	3.01	1.91	0.59	-0.44	-0.93	-0.97	-0.70	-0.15	0.35	0.55	0.52	0.25	-0.03	-0.07	-0.03	-0.09	-0.04
40S	3.05	2.70	1.68	0.59	-0.17	-0.56	-0.82	-1.05	-1.01	-0.75	-0.52	-0.46	-0.60	-0.66	-0.41	-0.04	0.23	0.49
44S	2.34	1.98	1.11	0.21	-0.39	-0.71	-1.05	-1.52	-1.80	-1.74	-1.59	-1.59	-1.68	-1.52	-0.94	-0.25	0.35	0.82
48S	1.41	1.07	0.36	-0.41	-1.04	-1.39	-1.71	-2.18	-2.51	-2.52	-2.45	-2.51	-2.57	-2.23	-1.47	-0.65	0.10	0.68
52S	0.56	0.22	-0.32	-0.99	-1.66	-2.13	-2.49	-2.90	-3.15	-3.10	-2.99	-2.98	-2.91	-2.49	-1.82	-1.16	-0.53	-0.05
56S	0.00	-0.37	-0.80	-1.31	-1.89	-2.43	-2.90	-3.35	-3.58	-3.47	-3.27	-3.11	-2.85	-2.42	-1.96	-1.59	-1.23	-0.91
60S	-0.26	-0.64	-1.01	-1.38	-1.80	-2.28	-2.82	-3.35	-3.62	-3.56	-3.35	-3.09	-2.72	-2.30	-2.00	-1.81	-1.62	-1.43
64S	-0.26	-0.59	-0.90	-1.17	-1.46	-1.85	-2.38	-2.94	-3.27	-3.33	-3.21	-2.97	-2.61	-2.23	-2.00	-1.86	-1.73	-1.63
68S	-0.00	-0.20	-0.44	-0.68	-0.92	-1.22	-1.69	-2.20	-2.82	-2.82	-2.60	-2.60	-2.56	-2.27	-2.06	-1.91	-1.80	-1.77
72S	0.56	0.44	0.26	0.00	-0.26	-0.57	-1.00	-1.45	-1.89	-2.24	-2.46	-2.60	-2.60	-2.68	-2.37	-2.29	-2.25	-2.27
76S	1.22	1.08	0.89	0.58	0.23	-0.16	-0.61	-1.07	-1.52	-1.93	-2.29	-2.58	-2.74	-2.86	-2.93	-2.98	-3.03	-3.07
80S	1.66	1.42	1.13	0.77	0.34	-0.11	-0.59	-1.09	-1.55	-1.96	-2.35	-2.70	-2.99	-3.24	-3.44	-3.57	-3.65	-3.70
84S	1.73	1.38	0.99	0.57	0.12	-0.34	-0.82	-1.29	-1.74	-2.14	-2.51	-2.87	-3.19	-3.47	-3.70	-3.85	-3.98	-3.99
88S	1.41	1.01	0.63	0.22	-0.20	-0.63	-1.04	-1.44	-1.83	-2.20	-2.55	-2.87	-3.18	-3.44	-3.66	-3.85	-3.97	-4.08



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